1		andine						9											/	,				id (Iris)		date			uo.
Mathematical	Distantia India	yozabuley dogreek	355 Experiment to	DCC LBrary D	OCC Bloss	product had	Artico Los	Artic Boundarie L	Indicators System	Superplan	Organ	Siconfrida type	Birological state	Carte See Descriptor	Store	kge .	set Ethnicky	DororiD	Sicolatilla Producto	Expariment products	Library wit	Upper dearing	Diegod underfeligie	he he had a producted the head of the head	Upper seatest in	Rende Uned	DCC SPOT OF	Per thousands	Dr.Se in Index
Section Part	GM06990 HepG2		ENCSR000ENP	ENCLB480ZZZ					Hepatic		Blood .iver		Immortalized Cancer		Adult Child	15Y 8	1					Sucrose Sucrose	50		2009-02-23	138826342	0.5858		82918 89235
Part	hTH1																?	Wilson01				Sucrose	534.9				0.647		
Part			ENCSR000EMI	ENCLB422ZZZ	ENCBS3	391ENC AG4218	LN1269	DS8235 DS8416	Digestive		Colon	Cancer	Cancer	Endoderm Colorectal adenocarcinoma	Adult	72Y 8			Biosample protocol	Experiment protocol		Sucrose	3 1		2007-09-05	22760059		29894	29724
Mathematical Content	CACO2								0		Colon				Adult	72Y 1	1												
March Marc	SKNSH		ENCSR000EPZ	ENCLB586ZZZ	ENCBS4	404ENC AG5633	LN1312	DS8482 DS8476			Brain	Cancer	Cancer	Ectoderm Neuroblastoma Treated with retinoic acid (RA)	Child				Biosample protocol	Experiment protocol		Sucrose	1.9		39867	155458024	0.6813	116131	115476
Mathematical Content											Mammary Blood		Primary Immortalized		Adult		Cauc										0.4415		70998
State Part	MCF7		ENCSR000EPJ	ENCLB554ZZZ	ENCBS2	241AAA AG4213	LN1615	DS9445 DS12619	Integumentary		Mammary	Cancer		Ectoderm Breast carcinoma	Adult	69Y F	Cauc		Biosample protocol	Experiment protocol					2008-07-29	22366961		51761	
March Marc	K562 K562										Blood Blood				Adult Adult						PE		10						
Property			ENCSR000EPT	ENCLB573ZZZ	ENCBS3	397PLZ AG4212	LN1753	DS9873 DS9955	Digestive		Colon	Cancer	Cancer	Endoderm pancreatic carcinoma		56Y I	1		Biosample protocol	Experiment protocol					2008-11-04	22032223	0.4107	32945	32800
Part																													
Part	BJ	Stromal A							Connective		Skin		Immortalized		Neonatal				Biosample protocol	Experiment protocol		microcon	30 7.7				0.5788		
Mathematical Property	HUVEC BJ	Vascular / endothelial								Vascular U	Jmbilical Skin						I Afr-Am												
Part	HESC		ENCSR000EMU	ENCLB442ZZZ	ENCBS1	111ENC AG4207	LN1835	DS10167			Germ	Lines	ESC	Primitive H1-Embryonic stem	Embryonia				Biosample protocol	Experiment protocol		Sucrose	30 13.1		2009-01-21	20475547	0.3782	38270	38181
Part									Respiratory		ung																		
Series of Script	HRE		ENCSR000EOL	ENCLB523ZZZ	ENCBS4	490IXI AG4204	LN1951	DS10631 DS10641	Renal		Gidney	Primary	Primary	Mesoderm renal epithelial (normal)	Adult				Biosample protocol	Experiment protocol	PE	microcon	16.8		2009-04-02	24137647	0.4531	67607	67513
See									Renal							12V A	I Cauc												
Section 1. Success of	HRCE	Renal / cancer	ENCSR000EOK	ENCLB522ZZZ	ENCBS3	394ENC AG4201	LN1959	DS10666 DS10662	Renal		Gidney	Primary	Primary	Mesoderm renal cortical epithelial (normal)		12Y			Biosample protocol	Experiment protocol	PE				2009-04-03		0.6042	249852	249550
Column C	CHITZOTO															U F													
See 1. Se	hTH17		ENCSR000EQF	ENCLB597ZZZ	ENCBS3	364AAA AG4198	LN2044	DS11039	Hematopoietic	T-cell E	Blood	Primary	Primary	Mesoderm Th17 cells	Adult	25Y? F	? Cauc	Wilson02	Biosample protocol	Experiment protocol	PE	microcon	8.5		2009-04-14	208484267	0.3505	73941	73856
See 1. Sulphie 1. Sulp																		RO 01508	Biosample protocol	Experiment protocol	PE-I								
Part			ENCSR000EPQ	ENCLB568ZZZ	ENCBS8	318IBE AG4196	LN2190	DS11476 DS11474				Primary	Primary	Endoderm Normal Epidermal Keratinocytes		45Y F			Biosample protocol	Experiment protocol	PE	microon	120 2.4		40007	32221880		56943	56795
Series Se	HConF HConF								Connective		Eye Eye	Primary Primary	Primary Primary		Fetal Fetal	2nd Trimester U											0.4951		
March Marc	CD34		ENCSR564TUY	ENCLB884BTD	ENCBS0	78RTI AG9161	LN2281	DS11666	Hematopoietic	Progenitor 8	Blood	Primary	Stem Cells	Mesoderm CD 34+ Hematopoietic progenitor cells	Adult	30Y B	Cauc	RO 01527	Biosample protocol	Experiment protocol	PE	microon	30 2.4			27460031	0.4201	63633	63537
Series Se										Myeloid I	Mesoderm						Outc						7.0						
Marche M			ENCSR000ENS	ENCLB487ZZZ	ENCBS3	310AAA AG4191	LN2307	DS11752 DS11738			Gum		Primary	Mesoderm Gingival Fibroblasts		45Y B						minElute	9.8		2009-08-05		0.4918		
Column C	IMR90								D Connective		ung	Lines			Fetal						PE					22909771		55818	55761
Part	HL60		ENCSR000ENU	ENCLB491ZZZ	ENCBS0	069ENC AG4190	LN2328	DS11809 DS11733			Mesoderm	Cancer	Cancer	Mesoderm Promyelocyticleukemia			Cauc		Biosample protocol	Experiment protocol	PE	micrcon	5.6		2009-08-07	31547522		67653	
Column C	H7_hESC_T14	Neverl							Cardiovascular	Cardiac Muscle					Embryonia			HODETO	Biosample protocol	Experiment protocol							0.3604		53784
Mart		Nedrai	ENCSR649KBB	ENCLB833XAU	ENCBS6	340AFZ AG9157	LN2347	DS11877 DS11872	Nervous		Brain	Primary	Primary	Ectoderm Brain	Fetal						PE	minElute			2009-08-14	30730142			
March Marc		Primitive / embryonic		ENCLB449ZZZ	ENCBS2	293AAA AG4188	LN2365	DS11909 DS13133	Embryonic		Germ		ESC				Caa		Biosample protocol	Experiment protocol			30 14				0.6453	315568	314868
Proc. Proc			ENCSR000EPP	ENCLB566ZZZ	ENCBS0	065ENC AG4186	LN2368	DS11923 DS11918			Skin			Mesoderm Dermal Fibroblasts	Neonatal	neonatal 8	Cauc				PE	minElute	30 4.8		2009-08-19		0.6965		00004
Section Sect	SkMC	Stromal A													Fetal	17W 8	1 Cauc		Biosample protocol	Experiment protocol									
Column C			ENCSR000EPN	ENCLB561ZZZ	ENCBS6	338NGV AG4182	LN2376	DS11959 DS11969							Adult	38Y F			Biosample protocol	Experiment protocol									
Second S			ENCSR000EPN	ENCLB562ZZZ	ENCBS5	562ENC AG4181	LN2378	DS11969 DS11959								38Y F	Cauc												
March Marc	PrEC		ENCSR000EPU	ENCLB576ZZZ	ENCBS3	398ENC AG4179	LN2419	DS12098 DS12088				Primary	Primary	Endoderm Human Prostate Epithelial Cells		,			Biosample protocol	Experiment protocol	PE								
March Marc	H7_hESC_T14		ENCSR000EMY	ENCLB448ZZZ	ENCBS2	294AAA AG4178	LN2425	DS12147 DS11814	Cardiovascular					Mesoderm H7 embryonic stem differentiation day 14	Embryonia														
Margin M	AG04450								Connective			Primary			Fetal														
Control Cont		Myeloid / erythroid							Hematopoietic	Progenitor E	Blood	Primary Primary	Stem Cells					RO 01535							2009.09.05		0.6518	196198	195691
Column	AG09319		ENCSR000EMA	ENCLB409ZZZ	ENCBS4	443ENC AG4174	LN2486	DS12291 DS12286			Gum	Primary	Primary	Mesoderm Gum fibroblast	Adult	24Y F	Cauc		Biosample protocol	Experiment protocol	PE	minElute	120 8		2009-09-05	19072935			
Column C	AG04449								Connective		Skin				Fetal								160 3.7				0.4801		
Secondary Seco	CD34		ENCSR122VUW	ENCLB064DTW	ENCBS2	238NAP AG9155	LN2491	DS12336 DS12339				Primary	Stem Cells	Mesoderm CD 34+ Hematopoietic progenitor cells					Biosample protocol	Experiment protocol	PE	minElute			2005-05-05	29320853		57354	57265
March Marc		Stromal A								Progenitor 6			Stem Cells					RO 01536							2009.09.14		0.4263		
March Marc	AG09309	Stromal A	ENCSR000ELZ	ENCLB407ZZZ	ENCBS0	335TPY AG4170	LN2495	DS12357 DS12352	Connective		Skin	Primary	Primary	Mesoderm Toe skin fibroblast	Adult	21Y F	Cauc		Biosample protocol	Experiment protocol	PE	minElute	160 11.6		2009-09-14	26161546		77850	77785
Column C		Stromal B	ENCSR000EMB	ENCI B411777	FNCRS4	IORENC AG4168	I N2500	DS12384 DS12374			Skin Skin				Adult Adult												0.7105		
Second S	CMK		ENCSR000EMN	ENCLB429ZZZ	ENCBS0	71ENC AG4167	LN2503	DS12393	Hematopoietic			Cancer	Cancer	Mesoderm Acute Megakaryocytic Leukemia	Neonatal	10M P	1		Biosample protocol	Experiment protocol	PE	minElute	8.9		2009-09-18	21107815		52906	52804
Column C		Lymphoid													Adult Adult	U N	l Cauc												
Incompagn Inco	GM12865		ENCSR000EMS	ENCLB439ZZZ	ENCBS0	73XSW AG4164	LN2529	DS12442 DS12436	Hematopoietic	Lymphoid E	Blood	Lines	Immortalized	Mesoderm Lymphoblastoid	Adult	U F			Biosample protocol	Experiment protocol	PE	minElute	160 20.7		2009-09-25	32098397	0.5331	73701	73550
MSC-Cip C MC-SIS-MOZE O		Stromal B							-post-order						Fetal Fetal														
No.PC- Section No.PC- Se	HNPCEpiC		ENCSR000EOF	ENCLB512ZZZ	ENCBS4	406ENC AG4161	LN2534	DS12467 DS12471	Epithelial		Eye	Primary	Primary	Ectoderm Non-Pigment Ciliary Epithelial	Fetal	2nd Trimester U			Biosample protocol	Experiment protocol	PE	minElute	160 14.5		2009-09-29	20604925	0.6252	70220	70156
Modernal											iye leart	Primary	Primary		Fetal Fetal														
Marcian Marc	HCF		ENCSR000ENH	ENCLB465ZZZ	ENCBS3	392ENC AG4158	LN2542	DS12501 DS12491	Connective		leart	Primary	Primary	Mesoderm Cardiac Fibroblasts	Fetal	2nd Trimester U			Biosample protocol	Experiment protocol	PE	minElute	120 8.1		2009-09-30	226214230	0.7059	230140	229827
No.	fAdrenal	Cardiac										Primary	Primary			96D I													7 1000
Figs	NB4		ENCSR000EPL	ENCLB557ZZZ	ENCBS0	332SIL AG4157	LN2555	DS12538 DS12543	Hematopoietic	Myeloid 8	Blood	Cancer	Cancer	Mesoderm Acute Promyelocytic Leukemia cell line		23Y F		nz2002	Biosample protocol	Experiment protocol	PE	minElute	60 56.2		2009-10-02	30046931	0.5005	69673	69561
NPS-PROCE NPS-ROSCOUS NP	NB4	Myeloid / erythroid								yeare .					Adult														
NCM	HRPEpiC		ENCSR000EON	ENCLB528ZZZ	ENCBS4	120ENC AG4154	LN2562	DS12583 DS12568	Epithelial		Eye	Primary	Primary	Ectoderm Retinal Pigment Epithelial	Fetal	2nd Trimester U			Biosample protocol	Experiment protocol	PE	minElute	120 19.2		2009-10-05	27135564	0.7285	89282	89196
Modern M														Mesoderm Cardiomyocytes		2nd Trimester U			Biosample protocol	Experiment protocol	PE								
Society Soci			ENCSR000EPJ	ENCLB553ZZZ	ENCBS7	748WRO AG4151	LN2569	DS12619 DS9445			Mammary	Cancer		Ectoderm Breast carcinoma															
Section Sect	fKidney		ENCSR106OKX	ENCLB557HQW	ENCBS5	585ZLO AG9151	LN2574	DS12635	Renal		Gidney	Primary	Primary	Mesoderm Kidney	Fetal	122D L			Biosample protocol	Experiment protocol	PE								
MASPIC MCCASTROCKEON MCC	Jurkat		ENCSR000EOS	ENCLB538ZZZ	ENCBS4	407ENC AG4150	LN2578	DS12659 DS10681							Child			H22676											
MINESTRATE MIN			ENCSR000END	ENCLB457ZZZ	ENCBS4	401ENC AG4149	LN2579	DS12663 DS12673	Epithelial		Amion	Primary	Primary	Primitive Amniotic Epithelial	Fetal	18W L			Biosample protocol	Experiment protocol	PE	minElute	120 7.9		2009-10-16	265284612	0.7389	281679	281326
INFEFEC		Stromal B													Fetal Fetal														
February Principle Princ	HIPEpiC		ENCSR000ENT	ENCLB489ZZZ	ENCBS4	430MWW AG4146	LN2584	DS12689 DS12684	Epithelial		Eye	Primary	Primary	Ectoderm Iris Pigment Epithelial	Fetal	2nd Trimester U			Biosample protocol	Experiment protocol	PE	minElute	160 8.8		2009-10-16	33844905	0.5668	99626	99538
CO34 ENCENTRACE ENCRIPTION ENCENTRACE ENCRIPTION ENCENTRACE ENCENTRACE ENCENTRACE ENCENTRACE ENCRIPTION ENTRACE ENCRIPTION ENTRACE		Cancer / epithelial																											
Co.54 ENCESTAZIUL ENCEST	CD34	- Springing	ENCSR122VUW	ENCLB477RGG	ENCBS1	162BYU AG9149	LN2615	DS12771	Hematopoietic	Progenitor 6	Blood	Primary	Stem Cells	Mesoderm CD 34+ Hematopoietic progenitor cells	Adult	27Y F	Cauc		Biosample protocol	Experiment protocol	PE	minElute	120 8.3			30377401	0.6194	80683	80564
NAMA SKROKOSEM ENCLESSIZZE ENCRESIZZENCE AC444.3 LV2620 DS12800 DS12800 Menous Brain Primary Primary Endorm Astroytes Felal 18W U Stranger and Conference an																551													
Heart ENCSR308EGE ENC.8398ZAA ENCSR308EGE ENC.8398ZAA ENCSR308EGE ENC.8398ZAA ENCSR308EGE ENC.8398ZAA ENCSR308EGE ENC.8398ZAA ENCSR308EGE SAC.8398ZAA	NHA		ENCSR000EPM	ENCLB559ZZZ	ENCBS0	21ENC AG4143	LN2620	DS12800 DS12805	Nervous		Brain	Primary	Primary	Ectoderm Astrocytes	Fetal	18W L		110 0 1320	Biosample protocol	Experiment protocol	PE	minElute	160 8.2			196991675	0.5838	225711	225407
	NHA														Fetal Fetal			H22727											
	fLung	Pulmonary devel.							Respiratory						Fetal														

	are de order de de la constante de la constant			alo.	no.	.0	_{ate} ID	ators										, det	, tocra	_{no} eb		, sked trial	sei /i	and the		to godito
Signature relative	upodaniary red	DEC Exteritor	OCC L BORRY ID	DCC Biosample	Fifthe Wildering	us Library L.	Acederate Rechicate	System	Subsystem	Order	Biosanda type	Bloodical state	Gent land Destributed	Growth	greece .	sot Ethnicky	DonoriD	Biologiche Prote	Experiment pro	Library M. Daractic	Spraged uniform	Muchan County Bodeste Hai	Jippery sected.	Reads used	DEC SPOT BE	Perincende directions
NHLF NHLE	Stromal B				AG4141 LN			Connective		Lung	Primary Primary	Primary Primary	Mesoderm Lung Fibroblasts Mesoderm Lung Fibroblasts	Adult Adult	31Y A	f Hisp		Biosample protocol	Experiment protocol Experiment protocol	PE minElute PE minElute	120 8.8 120 7.3		2009-11-02	288918603 27356341	0.7161	293067 292691 75542 75458
NHDF_Ad		ENCSR000EPO	ENCLB563ZZZ	ENCBS832YVN	AG4139 LN	2641 DS128	55 DS12863	Connective		Skin	Primary	Primary	Mesoderm Dermal Fibroblasts	Adult	38Y F	Cauc			Experiment protocol	PE minElute	80 9.5		2009-11-03	41464229	0.7611	117837 117686
NHDF_Ad HPAEC	Stromal B	ENCSR000EPO ENCSR000EOG						Connective	r Vascular	Skin Heart	Primary Primary	Primary Primary	Mesoderm Dermal Fibroblasts Mesoderm Human Pulmonary Artery Endothelial Cells	Adult Adult	38Y F	Cauc		Biosample protocol Biosample protocol		PE minElute PE minElute	80 7.3 120 13.3		2009-11-03	230645579 32147338	0.7972	288094 287649 56127 56042
HMVEC_dNeo	Vascular / endothelial	ENCSR000EOC	ENCLB506ZZZ	ENCBS692KAB	8 AG4136 LN	2660 DS129	29 DS12937	Cardiovascular		Skin	Primary	Primary	Mesoderm Dermal Microvascular Endothelial		neonatal M	f Cauc/Othe	er		Experiment protocol	PE minElute	160 16		2009-11-12	36953153	0.4408	74545 74419
HMVEC_dNeo HMVEC_dAd	Vascular / endothelial	ENCSR000EOC ENCSR000ENX			AG4135 LN2 AG4133 LN2			Cardiovascular Cardiovascular		Skin	Primary Primary	Primary Primary	Mesoderm Dermal Microvascular Endothelial Mesoderm Adult Human Dermal Microvascular Endoth	Neonatal Idal Adult		Cauc/Othe	er .		Experiment protocol	PE minElute PE minElute	160 20.2 160 31.8		2009-11-12 2009-11-16	29141689 24751452		77215 77096 54744 54650
hESCT0 HMVEC_dLyNeo	Versules / and atholis	ENCSR000EMZ	ENCLB450ZZZ	ENCBS297CQ\	AG4132 LN2 AG4131 LN2	2721 DS131	33 DS11909	Embryonic	Manuslas	Germ	Lines Primary	ESC Primary	Primitive H7 embryonic stem Mesoderm Dermal Lymphatic Microvascular Endothelia	Embryon	c F	f Cauc			Experiment protocol	PE minElute PE minElute	120 31.2 160 15.9		2009-11-16	22028913		65076 64970 93936 93823
HMVEC_dLyNeo	Vascular / endothelial	ENCSR000EOB	ENCLB505ZZZ	ENCBS316AAA	AG4130 LN	2725 DS131	50 DS13146	Cardiovascular		Skin	Primary	Primary	Mesoderm Dermal Lymphatic Microvascular Endothelia	l Neonatal	neonatal M	f Cauc		Biosample protocol	Experiment protocol	PE minElute	160 17.3		2009-12-11	247949401	0.5835	185590 185280
HMVEC_LLy HMVEC_LLy	Vascular / endothelial				AG4129 LN: AG4128 LN:			Cardiovascular		Lung	Primary Primary	Primary Primary	Mesoderm Lung Lymphatic Microvascular Endothelial Mesoderm Lung Lymphatic Microvascular Endothelial	Adult	23Y F	Hisp			Experiment protocol Experiment protocol	PE minElute PE minElute	160 22.4 160 16.4		2009-12-16	246653153 29726039		174786 174328 76414 76303
CD34		ENCSR495INQ	ENCLB262ADG	ENCBS410CRL	J AG9144 LN	2735 DS131	96	Hematopoietic	Progenitor	Blood	Primary	Primary	Mesoderm CD 34+ Hematopoietic progenitor cells	Adult	42Y N	f Cauc	RO 01562	Biosample protocol	Experiment protocol	PE minElute	120 3.4			33396120	0.4462	68149 68064
CD34 IMR90					AG9143 LN2 I AG9142 LN2			Hematopoietic D Connective	Progenitor	Blood	Primary Lines	Primary Immortalized	Mesoderm CD 34+ Hematopoietic progenitor cells Mesoderm Fibroblasts	Adult Fetal	49Y M	f Cauc	RO 00738			PE minElute PE minElute	120 10.1 160 6.2		2009-12-18	39240055 226020565		73549 73443 224111 223858
IMR90 HMVEC dBINeo	Stromal A				AG9141 LN					Lung Skin	Lines	Immortalized	Mesoderm Fibroblasts Mesoderm Dermal Blood Microvascular Endothelial	Fetal	16W F	f Cauc		Biosample protocol	Experiment protocol	PE minElute	160 10.1 160 19.1		2009-12-18	31797805 57764763	0.5125	84024 83965 99021 98875
HMVEC_dBlNeo	Vascular / endothelial	ENCSR000ENZ	ENCLB501ZZZ	ENCBS314AAA	AG4126 LN	2746 DS132	42 DS13233			Skin	Primary Primary	Primary Primary	Mesoderm Dermal Blood Microvascular Endothelial		neonatal M	f Cauc		Biosample protocol	Experiment protocol	PE minElute			2009-12-21	263588525	0.5929	198030 197570
HMVEC_dLyAd HMVEC_dLyAd	Vascular / endothelial				AG4125 LN			Cardiovascular		Skin	Primary	Primary	Mesoderm Dermal Microvascular Endothelial Mesoderm Dermal Microvascular Endothelial	Adult	56Y F	Afr-Am		Biosample protocol	Experiment protocol	PE minElute PE minElute	160 12.9 160 8.3		2009-12-21	34367492		83520 83400 78076 77980
HMVEC_dBlAd	Vascular / endothelial	ENCSR000ENY	ENCLB498ZZZ	ENCBS439XPX	AG4123 LN	2766 DS133	29 DS13337	Cardiovascular		Skin	Primary	Primary	Mesoderm Dermal Blood Microvascular Endothelial	Adult	38Y F	Cauc			Experiment protocol				2009-12-24	42380196	0.6817	105658 105522
HMVEC_dBIAd HMF	Vascular / endothelial				AG4122 LN		37 DS13329 63 DS13368	Cardiovascular	r Vascular	Skin Mammary	Primary Primary	Primary Primary	Mesoderm Dermal Blood Microvascular Endothelial Mesoderm Mammary Fibroblasts	Adult Adult	38Y F	Cauc Afr.Am		Biosample protocol	Experiment protocol	PE minElute PE minElute	160 20.2 160 17	8800000 PRS+A	2009-12-24	219140353 26893174		201242 200959 89972 89913
HMF	Stromal B	ENCSR000ENW	ENCLB495ZZZ	ENCBS399FWJ	J AG4120 LN	2775 DS133	68 DS13363	Connective		Mammary	Primary	Primary	Mesoderm Mammary Fibroblasts	Adult	20Y F	Afr-Am			Experiment protocol	PE minElute	160 34	12570000 PBS+A	2010-01-04	266528558	0.7262	271919 271624
HMVEC_LBI HMVEC_LBI	Vascular / endothelial Vascular / endothelial				AG4119 LN: AG4118 LN:			Cardiovascular Cardiovascular	vascular Vascular	Lung	Primary Primary	Primary Primary	Mesoderm Lung Blood Microvascular Endothelial Mesoderm Lung Blood Microvascular Endothelial	Adult Adult	56Y F	Afr-Am Afr-Am		Biosample protocol	Experiment protocol	PE minElute PE minElute	160 7.7 120 6	5550000 PBS+A 5220000 PBS+A	2010-01-04	343583925 41660823		196091 195833 90221 90108
HPF		ENCSR000EOJ	ENCLB519ZZZ	ENCBS024DYT	AG4117 LN	2778 DS133	80 DS13390	Connective		Lung	Primary	Primary	Mesoderm Pulmonary Fibroblasts Mesoderm Pulmonary Fibroblasts	Fetal	2nd Trimester L 2nd Trimester L				Experiment protocol Experiment protocol	PE minElute		19520000 PBS+A 21960000 PBS+A	2010-01-05	36113399 265606223	0.5944	89329 89237 226044 225646
HPAF		ENCSR000EOH	ENCLB515ZZZ	ENCBS321AAA	AG4115 LN	2784 DS134	11 DS13416	Connective		Pulmonary Arte		Primary	Mesoderm Pulmonary Artery Fibroblasts	Fetal	2nd Trimester L			Biosample protocol	Experiment protocol	PE minElute	160 20.6	19840000 PBS+A	2010-01-07	217397516	0.6756	231709 231400
HPAF HUVEC					AG4114 LN2 K AG4113 LN2			Connective Fetal Life Supp	port	Pulmonary Arte Umbilical Cord		Primary Primary	Mesoderm Pulmonary Artery Fibroblasts Mesoderm umbilical vein endothelial	Fetal Neonatal	2nd Trimester L neonatal M				Experiment protocol Experiment protocol	PE minElute PE MinElute	160 17.2 240 40.8	20500000 PBS+A 7740000 PBS+A	2010-01-07	26684419 31537442		83561 83479 57328 57215
HCFaa	Stromal B	ENCSR000ENI	ENCLB466ZZZ	ENCBS307AAA	AG4112 LN	2800 DS134	80 DS13484	Connective		Heart	Primary	Primary	Mesoderm Cardiac Fibroblasts - adult atrial	Adult	60Y F	Cauc		Biosample protocol	Experiment protocol	PE minElute	240 38.8	10190000 PBS+A	2010-01-12	326559488	0.6249	272698 272191
HCFaa fLung	Pulmonary devel.	ENCSR482HQE	ENCLB266QLT	ENCBS583FBB		2809 DS135	07	Connective Respiratory		Heart Lung	Primary Primary	Primary Primary	Mesoderm Cardiac Fibroblasts - adult atrial Endoderm Lung	Adult Fetal	60Y F	Cauc	H22934	Biosample protocol Biosample protocol	Experiment protocol	PE minElute PE minElute	160 27 120 26.8	15120000 PBS+A 9480000 Buffer A	2010-01-12 2010-01-15	31384891 43334529	0.4991	73992 73890 85617 85327
AoAF					AG4110 LN			Connective		Heart	Primary	Primary	Mesoderm Aortic Adventitial Fibroblasts Mesoderm Aortic Adventitial Fibroblasts	Adult	19Y F	Afr-Am		Biosample protocol	Experiment protocol	PE minElute	160 16.1	10640000 Buffer A	2010-01-19	318544889	0.6652	255542 255067 88409 88315
HCT116		ENCSR000ENM	ENCLB474ZZZ	ENCBS6500ZU		2818 DS135	47 DS13551	Digestive		Colon	Cancer	Primary Cancer	Endoderm Colon adenocarcinoma	Adult	19Y F	Afr-Am		Biosample protocol	Experiment protocol	PE minElute	240 50	10290000 Butter A 19700000 PBS+A	2010-01-19	30665352 30940985	0.4206	67799 67700
HCT116 HPdLF					AG4107 LN			Digestive Connective		Colon Periodontal Liga	Cancer	Cancer	Endoderm Colon adenocarcinoma Mesoderm Periodontal Ligament Fibroblasts	Adult Child	U N	1 Cours			Experiment protocol	PE minElute PE minElute	160 33.2 160 43.8	15900000 Buffer A 10570000 PBS+A	2010-01-20	26129916		65987 65892 63980 63902
HPdLF		ENCSR000EOI	ENCLB518ZZZ	ENCBS322AAA	AG4105 LN	2823 DS135	73 DS13569	Connective		Periodontal Liga	r Primary	Primary	Mesoderm Periodontal Ligament Fibroblasts	Child	16Y N			Biosample protocol	Experiment protocol	PE minElute	120 55.2	9100000 PBS+A	2010-01-21	265748820	0.6642	243398 242894
WERI_Rb1 WERI Rb1		ENCSR000EQL ENCSR000EQL	ENCLB604ZZZ ENCLB605ZZZ	ENCBS679NM2	Z AG4104 LN2 AG4103 LN2	2852 DS136 2855 DS136	70 DS13681 81 DS13670	Nervous		Eye	Cancer	Cancer	Ectoderm Retinoblastoma Ectoderm Retinoblastoma	Child	1Y F	Cauc			Experiment protocol	PE minElute PE minElute	160 50 240 50	21360000 Buffer A 21840000 Buffer A	2010-01-28	43427149 32871270		94449 94241 91771 91584
HRGEC		ENCSR000EOM	ENCLB525ZZZ	ENCBS324AAA	AG4102 LN	2863 DS137	05 DS13716	Renal		Kidney	Primary	Primary	Mesoderm Human Renal Glomerular Endothelial Cells	Fetal	2nd Trimester U	1		Biosample protocol	Experiment protocol	PE minElute	160 10.4	8690000 Buffer A	2010-01-29	19306064	0.4493	54427 54333
HRGEC		ENCSR000ENE	ENCLB459ZZZ	ENCBS716OLC	J AG4101 LN	2897 DS138	06 DS13817	Renal Cardiovascular	r Vascular	Kidney Brain	Primary Primary	Primary Primary	Mesoderm Human Renal Glomerular Endothelial Cells Mesoderm Human Brain Microvascular Endothelial Cel	Fetal s Fetal	2nd Trimester L 21W F				Experiment protocol Experiment protocol	PE minElute PE minElute		10600000 Buffer A 10600000 Buffer A	2010-01-29	22034092 32330219		39851 39724 77230 77124
HBMEC HMEC		ENCSR000ENE ENCSR000ENV	ENCLB460ZZZ	ENCBS304AAA	AG4099 LN	2899 DS138	17 DS13806	Cardiovascular	r Vascular	Brain Mammary	Primary Primary	Primary Primary	Mesoderm Human Brain Microvascular Endothelial Cel		21W F	Cauc		Biosample protocol	Experiment protocol Experiment protocol	PE minElute	160 14.1 240 17.8	8250000 Buffer A 11100000 Buffer A	2010-02-05	35500122 24040755		91192 91059 66213 66119
HVMF		ENCSR000EOR	ENCLB535ZZZ	ENCBS825YFA	AG4097 LN	2924 DS139	77 DS13981	Connective		Placenta	Primary	Primary	Mesoderm Villous Mesenchymal Fibroblasts	Fetal	22W L	Cauc			Experiment protocol	PE minElute	240 17.5	17700000 PBS+A	2010-02-25	22301758	0.625	61086 60986
HVMF	Pulmonary deval	ENCSR000EOR ENCSR318WOD			AG4096 LN			Connective		Placenta	Primary Primary	Primary Primary	Mesoderm Villous Mesenchymal Fibroblasts Endoderm Lung	Fetal	22W U		H23090	Biosample protocol Biosample protocol		PE minElute PE minElute	160 5.1 120 13.4	17700000 PBS+A 16560000 A+Sucrose	2010-02-25	249683287 41170473		250740 250328 63146 62804
fLung CD34	r dinionary devel.	ENCSR639ZJI	ENCLB786RJZ	ENCBS868IZQ	AG9138 LN	2947 DS140	40	Hematopoietic	Progenitor	Blood	Primary	Primary	Mesoderm CD 34+ Hematopoietic progenitor cells	Adult	23Y M	1 Cauc	RO 01525		Experiment protocol	PE minElute	120 11.2	11380000 Buffer A		23832283	0.4714	57303 57233
RPTEC RPTEC		ENCSR000EPW ENCSR000EPW	ENCLB579ZZZ ENCLB580ZZZ	ENCBS166KRI	AG4095 LN: AG4094 LN:	2954 DS140 2955 DS140	61 DS14065 65 DS14061	Renal		Kidney	Primary Primary	Primary Primary	Mesoderm Human Renal Proximal Tubule Cells Mesoderm Human Renal Proximal Tubule Cells	Adult Adult	49Y M	4 Afr-Am 4 Afr-Am			Experiment protocol	PE minElute PE minElute	160 11.1 120 10.8	10850000 PBS+A 17200000 PBS+A	2010-03-04	22598018 27449371	0.512 0.5035	57789 57698 65065 64916
CD4pos_N	Lymphoid	ENCSR000EML ENCSR735BIM			AG5629 LN2 AG9137 LN2			Hematopoietic		Blood	Primary	Primary	Mesoderm CD4+ naive Mesoderm CD 34+ Hematopoietic progenitor cells	Adult Adult	26Y N	f Cauc	Wb1197064 RO 01517	Biosample protocol	Experiment protocol	PE minElute		5130000 9540000 Buffer A		288101160		91299 91014
CD34 CD34		ENCSR191EII	ENCLB323HYV	ENCBS912YBC	AG9136 LN	2999 DS141	97	Hematopoietic Hematopoietic		Blood Blood	Primary Primary	Primary Primary	Mesoderm CD 34+ Hematopoietic progenitor cells Mesoderm CD 34+ Hematopoietic progenitor cells	Adult	43Y N	f Cauc	RO 01517 RO-01535	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol	PE minElute PE minElute	160 11.2 160 8.1	9540000 Buffer A 6300000 Buffer A		24230187 24389674		59132 59040 52106 52010
CD34 A549		ENCSR271QSV	ENCLB336NTC	ENCBS321FUP	AG9135 LN: AG4093 LN:	3002 DS142	06 DS12774	Hematopoietic Respiratory	Progenitor	Blood	Primary Cancer	Primary Cancer	Mesoderm CD 34+ Hematopoietic progenitor cells Endoderm Human lung carcinoma derived epithelial ce	Adult	EOV A	1 Cauc	RO-01492		Experiment protocol Experiment protocol	PE minElute PE minElute		8130000 Buffer A 11760000 Buffer A	2010-03-25	41097531 30839255		69029 68816 63956 63847
A549		ENCSR000ELW	ENCLB401ZZZ	ENCBS163AAA	AG5628 LN:	3027 DS142	89 DS14285	Respiratory		Lung	Cancer	Cancer	Endoderm Human lung carcinoma derived epithelial ce	I line Adult	58Y N	f Cauc		Biosample protocol	Experiment protocol	PE minElute	160 50	17900000 Buffer A	2010-03-25	220202403	0.592	147820 147594
WI_38 WI_38		ENCSR000EQN ENCSR000EQN			AG4092 LN: AG4091 LN:			Connective		Lung	Lines	Immortalized Immortalized	Mesoderm Embryonic lung fibroblasts immortilized hTE Mesoderm Embryonic lung fibroblasts immortilized hTE		12W F				Experiment protocol Experiment protocol	PE minElute PE minElute		8520000 PBS+A 7920000 PBS+A	2010-03-26 2010-03-26	20062929 21132737		67796 67744 61536 61493
WI_38_TAM		ENCSR000EQM ENCSR000EQM			AG4090 LN:		23 DS14328	Connective		Lung	Lines Lines	Immortalized Immortalized	Mesoderm Embryonic lung fibroblasts immortilized hTE	RT - Fetal	12W F			Biosample protocol	Experiment protocol	PE minElute	120 50 120 50	11500000 PBS+A 10700000 PBS+A	2010-03-26	24520347		59981 59902 50009 49929
WI_38_TAM SK_N_MC		ENCSR000EPY	ENCLB583ZZZ	ENCBS400ENC	AG4088 LN	3052 DS144	08 DS14413	Nervous		Lung Brain	Cancer	Cancer	Mesoderm Embryonic lung fibroblasts immortilized hTE Ectoderm Neuroepithelioma cell line derived from a m	etast Child	14Y F	Cauc		Biosample protocol	Experiment protocol	In-PE minElute	160 34.6	15760000 PBS+A	2010-04-02	23711471 24285048	0.3501	48048 47838
SK_N_MC					AG4087 LN:			Nervous	-1	Brain Muscle	Cancer	Cancer	Ectoderm Neuroepithelioma cell line derived from a m Mesoderm Human Skeletal Muscle Mobilasts	etast Child	14Y F	Cauc		Biosample protocol	Experiment protocol Experiment protocol	In-PE minElute	160 47.2 200 6.7	19800000 PBS+A	2010-04-02	27154936	0.3461	49236 48986 208092 207845
HSMM		ENCSR000EOO	ENCLB530ZZZ	ENCBS665DRD	AG4085 LN	3059 DS144	30 DS14426	Musculoskeleta	al	Muscle	Lines	Immortalized	Mesoderm Human Skeletal Muscle Myobiasts	Adult	26Y N	f Cauc			Experiment protocol	PE minElute	200 9.4	9720000 PBS+A	2010-04-05	34095754	0.5994	93131 93056
fBrain NT2_D1		ENCSR309FOO ENCSR000EPS			AG9134 LN: AG4084 LN:			Nervous Embryonic		Brain Germ	Primary Cancer	Primary Cancer	Ectoderm Brain Primitive Human testicular embryonal carcinoma cell	Fetal ine Adult	117D F	f Cauc	H22911	Biosample protocol Biosample protocol		PE minElute PE minElute	120 11 160 50	8550000 A+Sucrose 9500000 PBS+A	2010-04-06 40287	24797426 20876533		76358 76147 46523 46433
NT2_D1		ENCSR000EPS	ENCLB572ZZZ	ENCBS631LTU	AG4083 LN:	3113 DS145	75 DS14564	Embryonic		Germ	Cancer	Cancer	Primitive Human testicular embryonal carcinome cell	ine Adult	22Y N	f Cauc			Experiment protocol	PE minElute	240 50	13800000 PBS+A	2010-04-19	33186554	0.3695	71585 71390
BE2_C BE2_C			ENCLB415ZZZ	ENCBS982TUR	R AG4081 LN:	3132 DS146	35 DS14625	Nervous		Brain Brain	Cancer	Cancer	Ectoderm Human neuroblastoma Ectoderm Human neuroblastoma	Child	2Y N	f Cauc		Biosample protocol	Experiment protocol Experiment protocol	PE minElute	120 50	23120000 PBS+A 20560000 PBS+A	2010-04-22 2010-04-22	42020281 51437324	0.5769	97858 97619 99861 99615
fLung LNCap		ENCSR504KZE ENCSR000EPF			4 AG9133 LN: 4 AG4080 LN:			Respiratory Genitourinary		Lung Prostate	Primary Cancer	Primary Cancer	Endoderm Lung Endoderm prostate adenocarcinoma	Fetal Adult	67D L 50Y M	1 Cauc	H23247		Experiment protocol	PE minElute	120 19.4 120 50	6250000 A+Sucrose 16400000 PBS+A	2010-04-23	20419511 36229874		43638 43486 105275 105087
LNCap		ENCSR000EPF	ENCLB546ZZZ	ENCBS418ENC	AG4079 LN	3149 DS146	84 DS14680	Genitourinary		Prostate	Cancer	Cancer	Endoderm prostate adenocarcinoma	Adult	50Y N	f Cauc		Biosample protocol	Experiment protocol	PE minElute	80 50	13500000 PBS+A	2010-04-26	27835199	0.6223	97424 97286
hTR fBrain	Lymphoid	ENCSR000EQJ ENCSR026EOM			AG4078 LN: 2 AG9132 LN:			Hematopoietic Nervous	T-cell	Blood Brain	Primary Primary	Primary Primary	Mesoderm T regulatory cells Ectoderm Brain	Adult Fetal	35Y F 85D F	Cauc	Wb7849582 H23266	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol	PE minElute PE minElute	160 7.6 100 29.4	5580000 9360000	2010-04-29	226665720 26152372		123260 122938 42715 42514
fBrain		ENCSR026EOM	ENCLB947MJU	ENCBS471MPZ	2 AG9131 LN	3165 DS147	18 DS14717	Nervous		Brain	Primary	Primary	Ectoderm Brain	Fetal	85D F		H23266	Biosample protocol	Experiment protocol	PE minElute	120 35.2	9360000	2010-04-30	23389536	0.4411	45961 45800
fLung H7_hESC_T2	Pulmonary devel.	ENCSR141VGA ENCSR000EMX	ENCLB552RTF ENCLB446ZZZ	ENCBS295AAA	AG9130 LN: AG4077 LN:	3167 DS147 3169 DS147	24 DS14751 32	Respiratory Cardiovascular	r Cardiac Musck	Lung e Heart	Primary Lines	Primary ESC	Endoderm Lung Mesoderm H7 embryonic stem differentiation day 2	Fetal Embryon	85D F		H23266 H23284		Experiment protocol Experiment protocol	PE minElute PE minElute		15240000	2010-04-30 2010-04-24	266350973 24028268	0.6688	279120 278366 31858 31694
fLung		ENCSR141VGA			AG9129 LN: AG4076 LN:		51 DS14724	Respiratory		Lung	Primary	Primary	Endoderm Lung Ectoderm Human Astrocytes - cerebellar	Fetal	85D F		H23266		Experiment protocol Experiment protocol	PE minElute	120 50	9720000 Buffer A 15840000 Buffer A	2010-05-04	22024220		46342 46165 100260 100143
HAc		ENCSR000ENC	ENCLB456ZZZ	ENCBS115FPY	AG4075 LN:	3180 DS147	70 DS14765			Brain Brain	Primary	Primary	Ectoderm Human Astrocytes - cerebellar	Fetal	21W F			Biosample protocol	Experiment protocol	PE minElute		11440000 Buffer A	2010-05-05	28409726	0.4321	72339 72261
HAsp					AG4074 LN: E AG4073 LN:			Nervous Nervous		Spinal Cord Spinal Cord	Primary Primary	Primary Primary	Ectoderm Human Astrocytes - spinal cord Ectoderm Human Astrocytes - spinal cord	Fetal Fetal	2nd Trimester L 2nd Trimester L				Experiment protocol	In-PE minElute	160 48.2 120 41.8	10380000 Buffer A 16800000 Buffer A	2010-05-06 2010-05-06	239862490 32231827	0.5578	204145 203622 41041 40787
fBrain		ENCSR156CLC	ENCLB784NNQ	ENCBS496RLL	AG9128 LN:	3186 DS148	03 DS14815	Nervous		Brain	Primary	Primary	Ectoderm Brain	Fetal	96D F		H23284	Biosample protocol	Experiment protocol	PE minElute	80 29.6	15000000 Buffer A	2010-05-07	24117298	0.5582	72988 72777
fLung fBrain	Pulmonary devel.		ENCLB907TUF	ENCBS496RLL	AG9126 LN:	3188 DS148	15 DS14803	Respiratory Nervous		Lung Brain	Primary Primary	Primary Primary	Endoderm Lung Ectoderm Brain	Fetal Fetal	96D F		H23284 H23284		Experiment protocol Experiment protocol	PE minElute PE minElute	160 18.5 80 8.2	11520000 Buffer A 9000000 Buffer A	2010-05-07	38339317 20692661		89082 88862 63933 63731
fLung		ENCSR847RSJ	ENCLB183OTV	ENCBS611ZZU		3189 DS148	20 DS14809	Respiratory Cardiovascular	Vaccular	Lung Brain	Primary Primary	Primary Primary	Endoderm Lung Mesoderm Human Brain Vascular Pericytes	Fetal	96D F		H23284	Biosample protocol	Experiment protocol	PE minElute	120 50	8510000 Buffer A 17200000 PBS+A	2010-05-10	19400589 44195360	0.5573	47919 47724 45191 45050
HBVSMC		ENCSR000ENG	ENCLB462ZZZ	ENCBS559NJN	AG4071 LN:	3197 DS148	45 DS14860	Musculoskeleta	al Smooth Muscle	e Vascular	Primary	Primary	Mesoderm Human Brain Vascular Smooth Muscle Cell	Fetal Fetal	20/21 Wk gest F				Experiment protocol	In-PE minElute	240 64.2	14960000 PBS+A	2010-05-11	25325988	0.4394	52389 52272
HBVSMC HFF MvC		ENCSR000ENG ENCSR000ENR			AG4070 LN: C AG4069 LN:			Musculoskeleta Connective	al Smooth Musck	e Vascular Skin	Primary Lines	Primary Immortalized	Mesoderm Human Brain Vascular Smooth Muscle Cell Mesoderm Human Foreskin Fibroblasts Myc Transger	Fetal	20/21 Wk gest F			Biosample protocol	Experiment protocol	In-PE minElute	240 100 80 50	13440000 PBS+A 14500000 PBS	2010-05-11	24640267 19583114		41151 41009 50106 50042
HFF_MyC		ENCSR000ENR	ENCLB485ZZZ	ENCBS553ENC	AG4068 LN	3250 DS150	79 DS15073	Connective		Skin	Lines	Immortalized	Mesoderm Human Foreskin Fibroblasts Myc Transger		, A	1			Experiment protocol	PE minElute	120 50	15240000 PBS	2010-05-25	29210907	0.5209	66519 66403
HFF					AG4067 LN: AG4066 LN:			Connective		Skin Skin	Lines Lines	Immortalized Immortalized	Mesoderm Human Foreskin Fibroblasts Mesoderm Human Foreskin Fibroblasts	Neonatal Neonatal	A. A.	4		Biosample protocol Biosample protocol		PE minElute PE minElute	160 50 120 50	10960000 PBS+A 9600000 PBS+A	2010-06-01	209535022 20997521	0.618 0.5541	207099 206736 63377 63263
fAdrenal		ENCSR856QJX	ENCLB228PXH	ENCBS210BUA		3261 DS151		Endocrine		Adrenal Gland	Primary	Primary	Mesoderm Adrenal	Fetal	85D M	1	H23327	Biosample protocol	Experiment protocol	PE minElute	120 50	5940000 A+Sucrose	2010-06-03	32360095	0.3521	40882 40654
iPS_19_7 iPS_6_9		ENCSR261SMF	ENCLB228BKF	ENCBS111INZ	AG9122 LN	3279 DS151		Embryonic Embryonic		Germ	Lines	iPSC iPSC	Primitive Induced pluripotent stem cells Primitive Induced pluripotent stem cells	Neonatal Neonatal					Experiment protocol			9360000 PBS 11520000 PBS	2010-05-26 2010-05-27	20267077 22105887	0.3558	40426 40274
iPS_4_7		ENCSR014FPY ENCSR000ENA			AG4085 IN:			Embryonic		Germ	Lines Primary	iPSC Primary	Primitive Induced pluripotent stem cells Ectoderm Human Astrocytes - hippocampal	Neonatal	24W			Biosample protocol	Experiment protocol	PE minElute		7920000 PBS 9800000 PBS+A	2010-05-27	19477087 299529818	0.3358	31392 31278 254968 254347
li san		I		_1400030017007	LN.	DO 151	50 10202	JAC. 1005		2000	. remaly	. romady	- Important	p ciai				I mountain thousand	- posterior di protocoli	IIIIIElute	120 24.2	JUJUUU PBOTA	12010-00-07	E000E0010	0.0010	22.500 234341

Part		And the state of t				9	. /											,				at (rail		die		w.
	School of the State of the Stat	Specialized to de de servicios	CE Experiment to	ACE LEBERTO ACE BEFORE THE DE	Hurs Magnegator	StylD Storegrove II	under the state of	. drosynder.	argar.	Tickertific type	T I Charles and the Control of the C	ment and makely later	- COME	grad ^o	at thuist	TOTOT ID	A STATE OF THE PROPERTY OF THE	Togging though	ibrary hit martind	dearup attend	anteinit Hucher	And Colored Topological Property	Mar Jorden Backward	gens nageth paget	CC SPOT BE	Se Though the party of the second
Mathematical Content of the conten	HAh	^*							Brain	Primary		Ectoderm Human Astrocytes - hippocampal	Fetal		F											34662 34536
Mathematical Registration of the content of the c	fLung K562												Fetal Adult		M F	H23365										39713 39498 157774 157512
Part	fBrain		ENCSR118WIQ	ENCLB856QFE ENCBS733PYV	AG9119 LN3352	DS15453	Nervous		Brain	Primary	Primary		Fetal		U		Biosample protocol	Experiment protocol	In-PE minE	te 80	22 77	30000 A+Sucrose	2010-06-21	34450547	0.3835	41142 40659
Part	fLung HSMM D						Respiratory Musculoskeletal						Fetal Adult		M Cauc	H23399				te 80						
Part	HSMM_D														M Cauc		Biosample protocol	Experiment protocol	In-PE minE							
Part	fLung fLung_R						Respiratory					Endoderm Lung	Fetal		F	H23419 H23435	Biosample protocol	Experiment protocol	In-PE minE	te 80						
Part	fLung_L								Lung	Primary	Primary				F											
Part	fKidney_R		ENCSR765BSU	ENCLB182ILL ENCBS168SAJ	AG9113 LN3402	DS15651	Renal		Kidney	Primary	Primary	Mesoderm Kidney	Fetal		F		Biosample protocol	Experiment protocol	In-PE minE	te 60	31.6 88	30000 A+Sucrose	2010-07-08	34808287	0.3682	38281 37803
Part													Embryon	ic ic	F Cauc											
Part	fHeart		ENCSR536NGW	ENCLB740GHK ENCBS312JJA	AG9112 LN3462	DS15839	Cardiovascular Ca	ardiac I	Heart	Primary	Primary	Mesoderm Heart	Fetal	96D	M	H23468	Biosample protocol	Experiment protocol	In-PE minE	te 80	22 48	00000 A+Sucrose	2010-07-20	24834995	0.4732	17901 17466
Part	CD4 fHeart														F Cauc				In-PE minE	te 80 te 80						
Septical Properties and septin	fintestine_Lg						Digestive		Large Intestine	Primary	Primary		Fetal	103D	F											
1	fHeart						Cardiovascular Ca		Kidney Heart	Primary Primary	Primary Primary		Fetal	105D 105D	M		Biosample protocol									
Set 19 1	fintestine_Lg					DS16164		ı	Large Intestine	Primary	Primary		Fetal	105D	M	H23524										
Part	CD56					DS16376	Hematopoietic						Adult	34Y	F Cauc	RO 01689										
Part	fKidney_R	Tissue invariant					Renal		,				Fetal		F											
See Level 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	fThymus		ENCSR777USE	ENCLB429HIF ENCBS280SJR	AG9100 LN3700	DS16490		-cell E	Blood	Primary	Primary	Mesoderm Thymus	Fetal	147D	F	H23589	Biosample protocol	Experiment protocol	In-PE minE	te 100	31 613	20000 A+Sucrose	2010-09-01	34427981	0.3404	38388 38134
Part	fHeart fStomach								Stomach	Primary			Fetal Fetal		F											
Set 19 1	fintestine_Sm		ENCSR083FBK	ENCLB214DAA ENCBS517YQG	G AG9097 LN3713	DS16559	Digestive		Small Intestine	Primary	Primary	Endoderm Intestine_Sm	Fetal	110D	F	H23604	Biosample protocol	Experiment protocol	In-PE minE	te 60	61.9 59	40000 A+Sucrose	2010-09-08	35900882	0.4096	49051 48721
	fintestine_Lg fLung_R	Digestive	ENCSR441MMO	ENCLB929DZC ENCBS577SYI	AG9095 LN3715	DS16566							Fetal Fetal		F F	H23604			In-PE minE	te 80	105.5 73	30000 A+Sucrose	2010-09-09	30296895	0.5154	45383 44875
**************************************	fLung_L						Respiratory						Fetal		F											
	fKidney_L fHeart		ENCSR189YJQ	ENCLB645MEP ENCBS516ACB	AG9092 LN3719	DS16582		ardiac I	Heart	Primary	Primary	Mesoderm Heart	Fetal	110D	F		Biosample protocol	Experiment protocol	In-PE minE	te 80	35 84	30000 A+Sucrose	2010-09-10	35949205	0.6356	70777 70548
March Marc	HS5												Adult													
March Marc	fHeart		ENCSR311LLZ	ENCLB282DMX ENCBS125CGV	W AG9091 LN3732	DS16621	Cardiovascular Ca	ardiac I	Heart	Primary	Primary	Mesoderm Heart	Fetal	110D	M		Biosample protocol	Experiment protocol	In-PE minE	te 90	75.2 36	90000 A+Sucrose	2010-09-15	36200019	0.5749	55902 55433
Mart		Pulmonary devel.										Endoderm Intestine_Sm Endoderm Luna	Fetal Fetal	115D 115D	M M	H23640 H23640										
1	fKidney_R	,	ENCSR990XXC	ENCLB499LHF ENCBS803DCZ	AG9088 LN3776	DS16801	Renal		Kidney	Primary	Primary	Mesoderm Kidney	Fetal		M		Biosample protocol	Experiment protocol	In-PE minE		36.8 549	90000 A+Sucrose		37948649	0.5165	61691 61349
Mary Controlled Controlle	fKidney_L CD34	Organ devel. / renal					Renal Hematopoietic Pr						Fetal Adult		M Cauc											
Part	fileart	Cardiac					Cardiovascular Ca	ardiac I	Heart	Primary			Fetal	105D	F		Biosample protocol	Experiment protocol	In-PE							
	CD3	Digestive	ENCSR414IHC	ENCLB092RHM ENCBS881BDJ	AG9084 LN3792	DS16834			Blood	Primary	Primary	Mesoderm CD3+ T cells	Adult	21Y	M Cauc	RO 01679	Biosample protocol	Experiment protocol	PE minE	te 160	12.9 40	90000 Buffer A	2010-09-28	47086619		49468 49284
Marche M	fKidney						Renal		Kidney	Primary	Primary Primary		Fetal		F										0.3928	
Part	K562	Myeloid / erythroid					Hematopoietic Er	rythroid E	Blood	Cancer	Cancer	Mesoderm	Adult	53Y	F		Biosample protocol	Experiment protocol	In-PE minE	te 120						
Teams of the Control of Control o	CD4 CD8						Hematopoietic T-	-cell E					Adult	21Y 21Y			Biosample protocol Biosample protocol	Experiment protocol								
The Property of the Property o	fintestine_Sm						Digestive		Small Intestine	Primary	Primary	Endoderm Intestine_Sm		87D	М		Biosample protocol	Experiment protocol	In-PE minE	te 60	36.5 55				0.4966	
							Digestive					Endoderm Intestine Sm	Fetal	91D	F	H23724 H23744										
	fintestine_Lg												Fetal		F											
Part	fLung_L		ENCSR803VCR	ENCLB075MKH ENCBS114AZP	AG9074 LN3874	DS17105					Primary	Endoderm Lung	Fetal	91D	F	H23744	Biosample protocol	Experiment protocol	In-PE minE	te 80	64 51	00000 A+Sucrose		33307832	0.5563	63808 63489
Part	CD34 fKidney I	Tissue invariant					Hematopoietic Pr	rogenitor E	Blood Kidney	Primary Primary			Adult		M Hisp								2010-10-29			
Part Content	fKidney_R	Tissue invariant	ENCSR036VRV	ENCLB691LMZ ENCBS164TRX	AG9071 LN3893	DS17144	Renal		Kidney	Primary	Primary	Mesoderm Kidney	Fetal	107D	F	H23758			In-PE minE	te 80	49.3 67	20000 A+Sucrose		24619723	0.4981	45700 45431
Part			ENCSR680SDS	ENCLB727PHD ENCBS188SKN	AG9069 LN3895	DS17154	Digestive Respiratory						Fetal Fetal		F		Biosample protocol Biosample protocol	Experiment protocol								
Secondary Seco	fintestine_Lg												Fetal	107D	F	H23758			PE minE				2010-11-01			
Part Column Col							Digestive		Stomach	Primary Primary			Fetal	107D	F	H23758 H23758							2010-11-01			
Secondary Seco	CD4 CD19												Adult				Biosample protocol	Experiment protocol	In-PE minE	te 120				25025691		
Part	CD19 CD56	Lymphoid	ENCSR704HNG	ENCLB968GLJ ENCBS439LTB	AG9063 LN3905	DS17189	Hematopoietic Ly	ymphoid 8	Blood	Primary	Primary	Mesoderm CD56+ cells	Adult	21Y	M Cauc	RO 01721	Biosample protocol	Experiment protocol	PE minE	te 100	4.2 52	20000 Buffer A	2010-11-02	575432695	0.5958	128920 128464
13-14 1-15 1-1	CD3 CD8	Lymphoid Lymphoid											Adult											259882096 556834775		
Second Processes Second Proc	CD14		ENCSR452DCM	ENCLB665NTX ENCBS945EIT	AG9060 LN3909	DS17215	Hematopoietic	8	Blood	Primary	Primary	Mesoderm CD14+ monocytes		21Y	M Cauc	RO 01721	Biosample protocol	Experiment protocol	PE minE	te 80	3.8 88	50000 Buffer A	2010-11-03	384036115	0.5923	147687 147325
Part		Tissue invariant	ENCSR828RNY	ENCLB730SXG ENCBS455AXR	R AG9058 LN3926		Renal Ly		Kidney	Primary		Mesoderm Kidney							In-PE minE	te 80	50.4 483	20000 A+Sucrose				
Part		Digestive				DS17313						Endoderm Intestine_Lg	Fetal	108D	M	H23769	Biosample protocol	Experiment protocol	In-PE minE	te 40			2010-11-08	387804730	0.4907	198369 197480
Discrimination Disc	fAdrenal		ENCSR728BAD	ENCLB997PHL ENCBS200XAZ	AG9055 LN3930	DS17319	Endocrine	-	Adrenal Gland	Primary	Primary	Mesoderm Adrenal	Fetal	108D	M	H23769	Biosample protocol	Experiment protocol	In-PE minE	te 80	67.2 41	30000 A+Sucrose	2010-11-08	27939992	0.3265	43916 43734
Color: C	CD4 CD8						Hematopoietic T-	-cell 6	Blood	Primary Primary	Primary Primary		Adult	34Y 34Y			Biosample protocol	Experiment protocol					2010-11-09			
December	fKidney_renal_pel		ENCSR913NYL	ENCLB139VTR ENCBS545JWM	AG9049 LN3946	DS17381	Renal		Kidney	Primary		Mesoderm kidney	Fetal			H23790			PE minE	te 60	13.5 590	20000 A+Sucrose		29346985	0.5301	57067 56916
Modern M	CD14	1					Renal Hematopoietic	9	Kidney Blood			Mesoderm CD14+ monocytes	Fetal Adult		M F Cauc											
Macroscope Mac	fintestine_Lg		ENCSR366EQH	ENCLB601VGE ENCBS997WGI	U AG9046 LN3956	DS17422			Large Intestine	Primary	Primary	Endoderm Intestine_Lg	Fetal	115D	M	H23808	Biosample protocol	Experiment protocol	In-PE minE	te 40	22.5 67	20000 A+Sucrose	2010-11-29	23847386	0.4521	36661 36509
EXCESTANTIAL EXCE	fMuscle_arm		ENCSR868XPR	ENCLB979YQL ENCBS649MQC	D AG9043 LN3961	DS17432	Musculoskeletal Si	keletal Muscle 1	Muscle	Primary	Primary	Mesoderm Muscle_arm	Fetal	115D	M	H23808	Biosample protocol	Experiment protocol	In-PE minE	te 80	26.4 61	20000 A+Sucrose	2010-11-29	29255395	0.4055	45641 45433
Section Content Cont	CD19 (Splean						· · · · · · · · · · · · · · · · · · ·	,p							M Hisp											
Particular Par		Tissue invariant	ENCSR956ZHU	ENCLB700EJA ENCBS929EKB	AG9039 LN3968	DS17451	Renal Ly					Mesoderm kidney		113D	M	H23833	Biosample protocol	Experiment protocol	In-PE minE	te 70	16.8 54	30000 A+Sucrose	2010-12-03	34958440	0.4314	47768 47531
Secondary Seco	fKidney_renal_cor fintestine Lq	Organ devel. / renal Digestive					Renal Digestive		Kidney Large Intestine	Primary Primary	Primary Primary		Fetal Fetal		M											
EXCEPTION OF INCLESSIFY COLUMN EXCEPTION OF EXCESSIFY COLUMN EXCEPTION OF EXCEP	fLung_L		ENCSR488PHT	ENCLB348PVS ENCBS960KKK	AG9036 LN3973	DS17464	0		Lung	Primary	Primary	Endoderm Lung	Fetal		М	H23833	Biosample protocol	Experiment protocol	In-PE minE	te 60	24.2 61	70000 A+Sucrose	2010-12-06	38587147		
BASSROVERAL	fKidney CD3						Renal Hematopoietic T-			Primary Primary	Primary Primary		Fetal Adult	85D 37Y	F M Hisp										0.3434	30192 29868 40156 39977
Code-spring	CD20					DS17541	Hematopoietic Ly				Primary		Adult	27Y	F Afr-Am		Biosample protocol						2010-12-17			
Codery, genul point	fKidney_renal_pel	Tissue invariant	ENCSR752NTF	ENCLB022PYQ ENCBS145EYH	AG9030 LN4015		Renal					Mesoderm kidney	Fetal	105D	M	H23871	Biosample protocol	Experiment protocol	In-PE minE	te 80	31 64	30000 A+Sucrose		34276324	0.4189	45529 45055
EACSPROADCE_OE EACLESPACEZE EACRESSASSESF ACADUS Loward product Text Should S	fKidney_renal_cor	ti					Renal						Fetal		M											
	ьтн1		ENCSR000EQE	ENCLB595ZZZ ENCBS264SFF	AG4056 LN4022	DS17592	Hematopoietic T-	-cell E	Blood	Primary	Primary	Mesoderm T1 helper	Adult	33Y		Wb5455320	4 Biosample protocol	Experiment protocol	PE minE	te 80	10.7 58	40000 Buffer A	2010-12-27	20089298	0.3363	35381 35301
Pacceptat Pacc	hTH2 iTH2	Lymphoid Lymphoid							Blood	Primary	Primary	Mesoderm T2 helper cells, induced	Adult Adult													
	fPlacenta	Placental / trophoblas	ENCSR129TSG	ENCLB452OOX ENCBS688ZPB	AG9027 LN4046	DS17639			Placenta	Primary	Primary	Endoderm Placenta	Fetal	108D	F	H23887	Biosample protocol	Experiment protocol	In-PE minE	te 60	26.4 671	30000 A+Sucrose	2011-01-03	72846511	0.3566	106238 106026
	fintestine_Lg	Digestive					Digestive						Fetal		F											

2	-stateballetic	, file	, s	delD		all or ID	, Ø	rde ID	acadore /			,e	9,00							a soci	, obcod		atrob i	۸ پ	ate Red (Pril)	par /si	and date		of parts	
State of the last	Vocabulery e.	DCC Expainte	DCC LBB96ZOW	DCC Bloggraft	A.Tuo Aqu	ARTUS LIDES	Artue Brooks	e Replicate	System 5	autre year or	Organ	Siceandia WY	Glological side	Germ layer	Deschlide	Growth 9	ACIE 108D	Sex Ethnick	Donor ID	Biothering de	Experiment protocol	Library V	Jibrary clears	Dunned united h	Huching Argueta Count Arguetage County	Uprety south	gende med	0.3486	gerthosenge Open (nder
fMuscle_upper_lim		ENCSR166TEE	ENCLB202DAZ ENCLB084VNX	ENCBS988KQJ	AG9023				Musculoskeletal Si Respiratory	keletal Muscle	Muscle	Primary	Primary	Mesodern	Muscle_upper_limb_sk	Fetal	108D 108D	F	H23887 H23887	Biosample protocol	Experiment protocol Experiment protocol	PE	minElute minElute	80 7.1 60 9.9	4280000 A+Sucrose 6660000 A+Sucrose	2011-01-05	20735878	0.5161	47003 46850 92107 91957	
fLung_R fLung_L	Pulmonary devel. Pulmonary devel.	ENCSR456KDF	ENCLB731WYV	ENCBS078XUR	AG9020	LN4057			Respiratory		Lung	Primary Primary	Primary	Endodern		Fetal	108D	F	H23887		Experiment protocol	PE	minElute	60 9.9	5460000 A+Sucrose	2011-01-06	21264511	0.6124		
fAdrenal CD3		ENCSR419MZH ENCSR040DGJ	ENCLB335XBB ENCLB942UEB			LN4058 LN4061	DS17677 DS17702		Endocrine Hematopoietic T-	cell	Adrenal Gland Blood	Primary Primary	Primary Primary	Mesodern	Adrenal Cord blood hematopoietic CD3+	Fetal Neonatal	108D NB	F	H23887 CB#1, 1/3/2		Experiment protocol		minElute minElute	60 36.5 120 12.5	6000000 A+Sucrose 4680000 Buffer A	2011-01-06	27357799 19786389	0.3192	50517 50433 33912 33838	
fLung_L		ENCSR510ITB ENCSR989YIV	ENCLB020YSU ENCLB652QZG						Respiratory Fetal Life Support		Lung Placenta	Primary Primary	Primary	Endodern		Fetal Fetal	91D	м	H23914 H23914		Experiment protocol Experiment protocol		minElute minElute	60 13.9 70 44.2	8590000 A+Sucrose 7200000 A+Sucrose	2011-01-12	19700183 29561109	0.5429	54786 54692 51500 51339	
fPlacenta fIntestine_Lg		ENCSR762FCX	ENCLB568KJW	ENCBS445IVN	AG9014	LN4065	DS17748		Digestive		Large Intestine	Primary	Primary Primary	Endodem	Intestine_Lg	Fetal	91D	M	H23914	Biosample protocol	Experiment protocol	In-PE	minElute	60 25.9	5900000 A+Sucrose	2011-01-12	22359210	0.5097	34635 34392	
fKidney fKidney renal corts		ENCSR254AGA	ENCLB134KGJ ENCLB764DZE	ENCBS620YJZ	AG9011	LN4068	DS17756		Renal Renal		Kidney	Primary Primary	Primary Primary	Mesodern	Kidney Kidney renal cortex	Fetal Fetal	108D 91D	F M	H23887 H23914		Experiment protocol		minElute minElute	60 59.5 60 8.6	8970000 A+Sucrose 3600000 A+Sucrose	2011-01-13	31769247 19776245		48331 48118 33853 33754	
fKidney_renal_pelv fIntestine Sm			ENCLB980AHO ENCLB369BPN						Renal Digestive		Kidney Small Intestine	Primary Primary	Primary Primary		Kidney_renal_pelvis	Fetal Fetal	91D 91D	M	H23914 H23914	Biosample protocol	Experiment protocol Experiment protocol		minElute minElute	70 25.7 60 9.3	7770000 A+Sucrose 6790000 A+Sucrose	2011-01-13	38898635 22026246		63390 63167 47902 47791	
fMuscle_back	Musculoskeletal	ENCSR317SIH	ENCLB752ROB	ENCBS384LIR	AG9007	LN4072	DS17767		Musculoskeletal Si	keletal Muscle	Muscle	Primary	Primary	Mesodern	Muscle_back	Fetal	91D	м	H23914	Biosample protocol	Experiment protocol			80 24	3600000 A+Sucrose	2011-01-13	348976677		227382 225627	
fIntestine_Lg fKidney_renal_corte	Digestive		ENCLB586ISH ENCLB771NFX			LN4074 LN4076			Digestive Renal		Large Intestine Kidney	Primary Primary	Primary Primary	Endodern Mesodern	Intestine_Lg Kidney_renal_cortex	Fetal	120D 120D	F	H23941 H23941		Experiment protocol	PE PE	minElute minElute	60 13 70 13.1	6120000 A+Sucrose 5160000 A+Sucrose	2011-01-20 2011-01-20	29095238 29437186	0.3742	56376 56278 56873 56707	
fIntestine_Sm fMuscle_arm	Digestive		ENCLB081JWA ENCLB844WEN						Digestive Musculoskeletal Sk		Small Intestine Muscle	Primary Primary	Primary Primary		Intestine_Sm Muscle arm	Fetal Fetal	120D 120D	F	H23941 H23941		Experiment protocol Experiment protocol		minElute minFlute	60 21.3 80 23.5	8690000 A+Sucrose 6750000 A+Sucrose	2011-01-21	65723305 40208181		86981 86748 61758 61515	
fMuscle_trunk	Musculoskeletal	ENCSR217YRJ	ENCLB193WYL ENCLB230BZS	ENCBS992XAC	AG9002	LN4084	DS17827		Musculoskeletal Si	keletal Muscle	Muscle	Primary	Primary	Mesodern	Muscle_trunk	Fetal	120D	F	H23941 H23964	Biosample protocol	Experiment protocol Experiment protocol	PE	minElute	80 7.7	7380000 A+Sucrose 6930000 A+Sucrose	2011-01-25	30086984 71941716	0.5644	66655 66472	
fLung_R fLung_L	Pulmonary devel.	ENCSR006XED	ENCLB309SGY	ENCBS859ASH	AG9000	LN4086	DS17835		Respiratory Respiratory		Lung	Primary Primary	Primary Primary	Endodern	Lung	Fetal Fetal	98D 98D	F	H23964	Biosample protocol	Experiment protocol	PE	minElute	60 3.3	7650000 A+Sucrose	2011-01-25	11589339	0.5242	30080 30019	
fintestine_Lg fintestine_Sm	Digestive Digestive		ENCLB885IRR ENCLB204KUC						Digestive Digestive		Large Intestine Small Intestine	Primary Primary	Primary Primary		Intestine_Lg Intestine Sm	Fetal Fetal	98D 98D	F	H23964 H23964		Experiment protocol		minElute minElute	60 25.7 50 20.6	8580000 A+Sucrose 7160000 A+Sucrose	2011-01-26	80490260 36465125		106912 106677 60970 60838	
fMuscle_arm fMuscle_back		ENCSR753QKD	ENCLB472LJH ENCLB623IJC	ENCBS054WKY ENCBS174IGM		LN4089	DS17848		Musculoskeletal Sk	keletal Muscle keletal Muscle		Primary Primary	Primary	Mesodern	Muscle_arm Muscle_back	Fetal	98D	F	H23964 H23964		Experiment protocol Experiment protocol	PE	minElute minElute	80 3.8	3870000 A+Sucrose 7470000 A+Sucrose	2011-01-26	29629982 28536351		57874 57717 64633 64459	
fThymus	Musculoskeletal	ENCSR541UPY	ENCLB759VWL	ENCBS948PMG	G AG8995	LN4094			Hematopoietic		Blood	Primary	Primary	Mesodern	Thymus	Fetal	98D	F	H23964	Biosample protocol	Experiment protocol		minElute	80 4.1	7860000 A+Sucrose	40571	28298191	0.3548	43655 43512	
fThymus fStomach			ENCLB939YON ENCLB162BKZ				DS17876 DS17878	DS17875	Hematopoietic T- Digestive		Blood Stomach	Primary Primary	Primary Primary	Mesodern		Fetal Fetal	98D 98D	F	H23964 H23964		Experiment protocol		minElute minElute	100 33.3 80 13.9	7860000 A+Sucrose 6660000 A+Sucrose	2011-01-28	76560397 352606938	0.3548	70158 69902 241939 241150	
CD4 CD14	Lymphoid		ENCLB175IVE ENCLB885QAS						Hematopoietic T- Hematopoietic Mr		Blood Blood	Primary Primary	Primary Primary	Mesodern		Adult Adult	37Y 37Y	M Hisp M Hisp	RO 01701 RO 01701	Biosample protocol	Experiment protocol		minElute minElute	120 1.7 80 8.1	6150000 Buffer A 8420000 Buffer A	2011-01-31	579433524 22897414		136474 135634 50048 49985	
fLung_R	Pulmonary devel.	ENCSR299INS	ENCLB054ALJ	ENCBS467PJB	AG8990	LN4107	DS17954		Respiratory	,	Lung	Primary	Primary	Endodem	Lung	Fetal	105D	F risp	H24005		Experiment protocol	In-PE	minElute	60 40	5810000 A+Sucrose	2011-02-07	54899075	0.5952	86027 85632	
fLung_L fStomach			ENCLB622ECR ENCLB398CUR						Respiratory Digestive		Lung Stomach	Primary Primary	Primary Primary	Endodern		Fetal Fetal	105D 105D	F	H24005 H24005	Biosample protocol Biosample protocol	Experiment protocol		minElute minElute	60 77.4 80 39.9	8030000 A+Sucrose 7020000 A+Sucrose	2011-02-07	33762344 30000609		53944 53658 35496 35122	
fintestine_Lg	Lymphoid		ENCLB592RWY ENCLB594ZZZ						Digestive	cell	Large Intestine	Primary Primary	Primary Primary	Endodern	Intestine_Lg T1 helper cells	Fetal Adult	105D 26Y	F	H24005 Wh336769		Experiment protocol Experiment protocol	In-PE In-PE	minElute minElute	40 53.1 80 33.8	8730000 A+Sucrose 5310000 Buffer A	2011-02-08	28800737 271986078		46017 45874 103501 103315	
iTH1	Lymphoid	ENCSR000EQC	ENCLB592ZZZ	ENCBS070HZP	AG5620	LN4129	DS18018		Hematopoietic T-	cell	Blood	Primary	Primary	Mesodern	T1 helper cells, induced	Adult	26Y	F	Wb3367698	Biosample protocol	Experiment protocol	In-PE	minElute	80 20.3	5220000 Buffer A	2011-02-09	362418796	0.4238	95329 95168	
MCF7_ER	Cancer / epithelial	ENCSR000EPI	ENCLB549ZZZ ENCLB551ZZZ	ENCBS134PJO	AG4051	LN4131	DS18025		Integumentary Integumentary		Mammary Mammary	Cancer Cancer	Cancer	Ectoderm	Mammary gland adenocarcinoma Breast carcinoma (treated with beta estrodiol)	Adult	69Y	F Cauc		Biosample protocol	Experiment protocol	In-PE	minElute minElute	120 66.9 120 83.1	10000000 10000000	2011-02-09	77273673 73180365	0.5137	155466 155238 137690 137441	
CD14 fMuscle arm	Musculoskeletal		ENCLB556ZZZ ENCLB780EGY						Hematopoietic M Musculoskeletal Si		Blood	Primary Primary	Primary Primary		Human monocytes Muscle arm	Adult Fetal	32Y 105D	F	RO 01746 H24005		Experiment protocol		minElute minElute	80 29.1 80 53.3	5720000 Buffer A 8000000 A+Sucrose	2011-02-11	77361215 82737466		89125 88973 107602 107111	
fMuscle_back	Musculoskeletal	ENCSR033STL	ENCLB755ECQ ENCLB917EPQ	ENCBS345TTL	AG8985	LN4137	DS18083		Musculoskeletal Si	keletal Muscle		Primary	Primary	Mesodern	Muscle_back	Fetal Fetal	105D 105D	F	H24005 H24005	Biosample protocol	Experiment protocol	In-PE	minElute minElute	80 38.9 70 65.9	6250000 A+Sucrose 6240000 A+Sucrose	2011-02-14	88413703 21508657	0.5409	117804 117327 33678 33518	
fKidney_renal_pelv fLung_L	Pulmonary devel.	ENCSR935EVZ	ENCLB495CPV	ENCBS587TEK	AG8983	LN4148	DS18170		Renal Respiratory		Lung	Primary Primary	Primary Primary	Endodem		Fetal	115D	M	H23640	Biosample protocol	Experiment protocol	In-PE	minElute	80 43.2	12750000 A+Sucrose	2011-02-22	88248559	0.678	142545 142220	
fMuscle_lower_limit fMuscle_arm	Musculoskeletal		ENCLB998MCS ENCLB468IIK				DS18174 DS18176		Musculoskeletal Si Musculoskeletal Si	keletal Muscle keletal Muscle		Primary Primary	Primary Primary		Muscle_lower_limb Muscle_arm	Fetal Fetal	120D 120D	M	H24042 H24042		Experiment protocol Experiment protocol	In-PE PE	minElute minElute	80 19.8 80 15.3	5880000 A+Sucrose 4770000 A+Sucrose	2011-02-22	78281068 41199979		102969 102477 63661 63432	
CD20 Skin Fibroblasts	0		ENCLB425ZZZ ENCLB362DSC					0040000	Hematopoietic Ly	ymphoid	Blood	Primary Primary	Primary Primary	Mesodern	B cells Skin Fibroblasts	Adult	43Y neonatal	F Cauc	RO 01835 Skin 01	Biosample protocol	Experiment protocol Experiment protocol		minElute	120 40.3 80 35.6	7320000 Buffer A 9250000 PBS+A	2011-02-25	233037503 355540191		101453 100825 289819 289112	
Skin_Fibroblasts	Submar B	ENCSR153LHP	ENCLB533QGZ	ENCBS955MUX	(AG8979	LN4159	DS18229	DS18224	Connective		Skin	Primary	Primary	Mesodern	Skin_Fibroblasts	Neonatal	neonatal	M	Skin 01		Experiment protocol	In-PE	minElute	80 43.1	7440000 PBS+A	2011-02-28	51710143	0.7075	125805 125612	
Skin_Fibroblasts Skin_Fibroblasts	Stromal A	ENCSR251UPG	ENCLB194ZVW ENCLB733KBR	ENCBS612XXS	AG8977	LN4164	DS18256		Connective Connective		Skin	Primary Primary	Primary Primary		Skin_Fibroblasts	Neonatal Neonatal	neonatal neonatal	M	Skin 02 Skin 02	Biosample protocol Biosample protocol	Experiment protocol		minElute minElute	80 18 60 20.2	8780000 PBS+A 9660000 PBS+A	2011-03-02	29877887 37057230	0.77	94268 94177 97596 97514	
MCF7 MCF7 ER	Cancer / enithelial		ENCLB550ZZZ ENCLB552ZZZ						Integumentary Integumentary		Mammary Mammary	Cancer	Cancer		Mammary gland adenocarcinoma Mammary gland adenocarcinoma (treated with	Adult h b Adult	69Y 69Y	F Cauc			Experiment protocol Experiment protocol	In-PE In-PE	minElute minElute	100 26 100 34.3	10000000	2011-03-02	31925109		98105 97976 122349 122184	
fMuscle_back	Ouncer / epitiental	ENCSR786FWF	ENCLB609KLY	ENCBS136SDO	AG8976	LN4251	DS18377	5510025	Musculoskeletal Si	keletal Muscle	Muscle	Primary	Primary	Mesodern	Muscle_back	Fetal	127D	М	H24078	Biosample protocol	Experiment protocol	TS	minElute	80 42.1	6300000 A+Sucrose	2011-03-07	29206599	0.3892	37529 37226	
fMuscle_arm fThymus		ENCSR164PQJ	ENCLB977RMY ENCLB358YNV	ENCBS054CPR	AG8974	LN4253	DS18382		Musculoskeletal Si Hematopoietic T-	cell	Blood	Primary Primary	Primary Primary	Mesodern		Fetal Fetal	127D 127D	M	H24078 H24078	Biosample protocol	Experiment protocol	In-PE	minElute minElute	80 24.2 60 23.9	3330000 A+Sucrose 8160000 A+Sucrose	2011-03-07 2011-03-08	19386603 82616244	0.3709	21784 21529 64196 64012	
fMuscle_leg fStomach			ENCLB170YEF ENCLB281EIZ						Musculoskeletal Si Digestive		Muscle Stomach	Primary Primary	Primary Primary	Mesodern	Muscle_leg Stomach	Fetal Fetal	127D 127D	M	H24078 H24078		Experiment protocol		minElute minElute	60 10.2 80 18.7	5260000 A+Sucrose 4140000 A+Sucrose	2011-03-08	25756267 29924057		58422 58245 39430 39156	
fLung_R		ENCSR964VVW	ENCLB592GHD ENCLB768HDS	ENCBS4210Z0	AG8971	LN4266	DS18418		Respiratory		Lung	Primary	Primary	Endodem	Lung	Fetal	96D	м	H24089 H24089	Biosample protocol	Experiment protocol		minElute minElute	80 19 60 22.5	5360000 A+Sucrose 8000000 A+Sucrose	2011-03-14	42142736 38748464		58647 58205 61231 60920	
fLung_L fKidney_renal_corte		ENCSR849OKE	ENCLB632OMU	ENCBS653WIT	AG8969	LN4269	DS18428		Respiratory Renal		Lung Kidney	Primary Primary	Primary Primary	Endodern Mesodern	Kidney	Fetal	127D	M	H24078	Biosample protocol	Experiment protocol	TS	minElute	70 65.4	6480000 A+Sucrose	2011-03-14	38754907	0.311	38545 38181	
fKidney_renal_pelv vHMEC			ENCLB963GDY ENCLB172FJJ					DS18406	Renal Epithelial		Kidney Mammary	Primary Primary	Primary Primary	Mesodern		Fetal Adult	127D	м	H24078 RM035		Experiment protocol	TS	minElute minElute	60 88.7 140 47.5	10360000 A+Sucrose 6560000 PBS+A	2011-03-14	30693223 25312062	0.3326	34103 33869 63372 63281	
fMuscle_arm fMuscle_back			ENCLB092XXK ENCLB661ANA						Musculoskeletal Si Musculoskeletal Si			Primary Primary	Primary Primary		Muscle_arm Muscle back	Fetal Fetal	96D 96D	M	H24089 H24089		Experiment protocol Experiment protocol	TS	minElute minElute	100 32 80 19.4	4950000 A+Sucrose 5310000 A+Sucrose	2011-03-16	38340347 31343341		42499 42101 51524 51259	
fMuscle_leg		ENCSR059LXL	ENCLB805KFK	ENCBS517FUR	AG8964	LN4279	DS18456			keletal Muscle	Muscle	Primary	Primary	Mesodern	Muscle_leg	Fetal	96D	M	H24089		Experiment protocol	TS	minElute	80 44.5	5850000 A+Sucrose	2011-03-17	37267414	0.3649	43018 42556	
fKidney_R fKidney_L		ENCSR184DFF	ENCLB902FNG ENCLB028AOF	ENCBS610XAP	AG8962	LN4281	DS18466		Renal Renal		Kidney Kidney	Primary Primary	Primary Primary	Mesodern Mesodern	Kidney	Fetal Fetal	96D	M M	H24089 H24089		Experiment protocol Experiment protocol	TS	minElute minElute	70 27.1 70 45.8	5400000 A+Sucrose 7700000 A+Sucrose	2011-03-17 2011-03-18	37549811 35118095	0.3697	39971 39529 39868 39381	
fMuscle_back fMuscle_leg			ENCLB321ISX ENCLB884SCJ						Musculoskeletal Si Musculoskeletal Si	keletal Muscle keletal Muscle	Muscle Muscle	Primary Primary	Primary Primary		Muscle_back Muscle_leg	Fetal Fetal	105D 105D	M M	H24111 H24111	Biosample protocol	Experiment protocol	TS TS	minElute minElute	30 26.2 80 29.2	5260000 A+Sucrose 5220000 A+Sucrose	2011-03-18	31936987 33844982		44281 43857 43930 43407	
fMuscle_arm fLung_L		ENCSR949JYS	ENCLB217KTX ENCLB644YJH	ENCBS017GIN	AG8959	LN4284				keletal Muscle		Primary Primary	Primary		Muscle_arm	Fetal	105D	M	H24111 H24111		Experiment protocol Experiment protocol		minElute minElute	100 36.5 80 23	3780000 A+Sucrose 5680000 A+Sucrose	2011-03-18	35396641 46622799		35916 35373 69975 69479	
fLung_R		ENCSR846CTA	ENCLB798SCI	ENCBS122USS	AG8957	LN4292	DS18492		Respiratory		Lung	Primary	Primary	Endodern	Lung	Fetal	105D	M	H24111	Biosample protocol	Experiment protocol	TS	minElute	80 47.9	10540000 A+Sucrose	2011-03-22	38834905		60865 60405	
fIntestine_Lg fSpinal_cord		ENCSR148MFM	ENCLB932ALS ENCLB294ZTA	ENCBS300UPT	AG8954	LN4296	DS18501		Digestive Nervous		Large Intestine Spinal Cord	Primary Primary	Primary Primary	Ectoderm	Intestine_Lg Spinal_cord	Fetal Fetal	105D 105D	M	H24111 H24111		Experiment protocol		minElute minElute	60 45.8 100 12.6	4810000 A+Sucrose 5760000 A+Sucrose	40624 2011-03-22	35140454 40845620	0.3683	28583 28201 37223 36720	
fKidney_renal_corts fMuscle arm			ENCLB649FHR ENCLB138MMZ						Renal Musculoskeletai St	keletal Muscle	Kidney Muscle	Primary Primary	Primary Primary	Mesodern	Kidney_renal_cortex_L Muscle_arm	Fetal Fetal	105D 101D	M	H24111 H24125		Experiment protocol Experiment protocol	TS TS	minElute minElute	60 25.3 80 9.1	4410000 A+Sucrose 6480000 A+Sucrose	2011-03-25	37943660 25169765		37473 36872 43489 43268	
Skin_Melanocytes GM04503D		ENCSR4340BM	ENCLB256YWS ENCLB430ZZZ	ENCBS425NOG	AG8949	LN4335	DS18601		Integumentary		Skin Skin	Primary Primary	Primary Primary	Ectoderm	Skin_Melanocytes	Neonatal Adult	neonatal 31Y	M F Cauc	Skin 01 Family # 73	Biosample protocol	Experiment protocol	TS	minElute minElute	120 20.3 160 8.7	6720000 PBS+A 5620000 PBS+A	2011-03-29	42180617 34450442	0.5569	85386 85090 77570 77473	
GM04503D		ENCSR000EMO	ENCLB431ZZZ	ENCBS339GFS	AG4044	LN4347	DS18640		Connective Connective		Skin	Primary	Primary	Mesodern	Fibroblast	Adult	31Y	F Cauc	Family # 73	11 Biosample protocol	Experiment protocol	TS	minElute	160 9.1	5450000 PBS+A	2011-04-04	24220734	0.6406	52692 52576	
fKidney_renal_pelv fKidney_renal_pelv		ENCSR761ZFA ENCSR318JAA	ENCLB255VJZ ENCLB089WJX						Renal Renal		Kidney Kidney	Primary Primary	Primary Primary	Mesodern		Fetal Fetal	105D 105D	M M	H24111 H24111		Experiment protocol Experiment protocol	TS TS	minElute minElute	60 27.4 60 8.7	3900000 A+Sucrose 4770000 A+Sucrose	2011-04-05 2011-04-05	31681568 28413374		48316 48093 37221 36980	
Skin_Melanocytes Skin Keratinocytes		ENCSR518JGY	ENCLB426IYP ENCLB743XEL	ENCBS916SKO	AG8946	LN4360	DS18668		Integumentary Integumentary		Skin	Primary Primary	Primary Primary	Ectoderm	Skin_Melanocytes Skin Keratinocytes	Neonatal Neonatal	neonatal neonatal		Skin 02 Skin 01	Biosample protocol		TS TS	minElute minElute	80 5.2 120 30.7	11450000 PBS+A 5850000 PBS+A	2011-04-05	32632314 30701650	0.3337	78398 78299 72006 71872	
Skin_Keratinocytes		ENCSR724CND	ENCLB455HSH	ENCBS773VQF	AG8944	LN4373	DS18714	DS18718	Integumentary		Skin	Primary	Primary	Endodem	Skin_Keratinocytes	Neonatal	neonatal	M	Skin 01 Skin 02	Biosample protocol	Experiment protocol		minElute	160 27.2	5430000 PBS+A	2011-04-07	27012002	0.5544	62730 62601	
Skin_Keratinocytes Mesendoderm		ENCSR724CND ENCSR714DIF	ENCLB305MIW ENCLB383SUW						Integumentary Embryonic		Skin Germ	Primary Lines	Primary ESC	Endodern Primitive	Skin_Keratinocytes Mesendoderm	Neonatal Embryoni	neonatal c	М	Skin 02 H1P28		Experiment protocol Experiment protocol	TS TS	minElute minElute	160 48.2 80 37.3	6360000 PBS+A 6090000 Buffer A	2011-04-07 2011-04-08	35200561 22910870		75938 75773 29948 29792	
fStomach fMuscle_back			ENCLB781ZGY ENCLB887CHS						Digestive Musculoskeletal Sk	keletal Musete	Stomach Muscle	Primary Primary	Primary Primary	Endodem		Fetal Fetal	101D 115D	U	H24125 H24143		Experiment protocol Experiment protocol	TS TS	minElute minElute	80 22.9 80 40.3	5040000 A+Sucrose 6840000 A+Sucrose	2011-04-19	34744227 28728695		34449 34156 41047 40795	
fMuscle_leg		ENCSR938UOR	ENCLB992COW	ENCBS003JOU	AG8937	LN4393	DS18844		Musculoskeletal		Muscle	Primary	Primary	Mesodern	Muscle_leg	Fetal	115D	F	H24143	Biosample protocol	Experiment protocol	TS	minElute	80 21.3	3780000 A+Sucrose	40655	20832621	0.323	22788 22611	
fKidney_renal_corts fKidney_renal_corts		ENCSR039ZVQ	ENCLB048XRX ENCLB100VMV	ENCBS281CNH	AG8934	LN4409	DS18931		Renal Renal		Kidney Kidney	Primary Primary	Primary Primary	Mesodern Mesodern	Kidney	Fetal Fetal	120D 120D	M	H24169 H24169		Experiment protocol	TS	minElute minElute	60 21.6 60 19	5270000 A+Sucrose 6300000 A+Sucrose	2011-05-03 2011-05-03	29520680 23443402	0.416	40835 40553 32963 32690	
fTestes fKidney renal pelv	Tissue invariant		ENCLB728VGZ ENCLB220BDZ						Genitourinary Renal		Gonad Kidney	Primary Primary	Primary Primary	Mesodern		Fetal	113D,115D 120D	M	H24198+H2 H24169	23 Biosample protocol	Experiment protocol Experiment protocol	TS	minElute minElute	60 19.6 65 18.3	5760000 A+Sucrose 6960000 A+Sucrose	2011-05-04	27478973 25829289		43570 43307 43496 43292	
fKidney_renal_pelv		ENCSR320SVK	ENCLB068YPZ	ENCBS226ZND	AG8931	LN4424	DS18964		Renal		Kidney	Primary	Primary	Mesodern	Kidney	Fetal	120D	М	H24169	Biosample protocol	Experiment protocol		minElute	60 14.3	6900000 A+Sucrose	2011-05-05	29979756		43121 42893	
GM04504A GM04504A	Stromal A	ENCSR000EMP	ENCLB432ZZZ ENCLB433ZZZ	ENCBS388KHM	1 AG4042	LN4428	DS18975		Connective Connective		Skin Skin	Primary Primary	Primary Primary	Mesodern	Fibroblast Fibroblast	Adult Adult	31Y 31Y	F Cauc	Family # 73 Family # 73		Experiment protocol	TS TS	minElute minElute	160 22.3 120 21.2	7020000 PBS+A 7180000 PBS+A	2011-05-06 2011-05-09	32704847 33363552		88102 88012 89678 89583	
fMuscle_arm fMuscle_arm			ENCLB143IER ENCLB237FGZ						Musculoskeletal Si Musculoskeletal Si	keletal Muscle keletal Muscle		Primary Primary	Primary Primary	Mesodern	Muscle_arm Muscle_arm	Fetal Fetal	115D 113D	F M	H24143 H24198		Experiment protocol	TS TS	minElute minElute	100 44.1 100 26.2	8190000 A+Sucrose 4410000 A+Sucrose	2011-05-09	22690707 25671047		28008 27769 28533 28298	
fMuscle_arm		ENCSR619BNL	ENCLB927RKF	ENCBS980APB	AG8928	LN4446	DS19053		Musculoskeletal Si Musculoskeletal Si	keletal Muscle	Muscle	Primary	Primary	Mesodern	Muscle_arm	Fetal	96D	М	H24218 H24218	Biosample protocol	Experiment protocol	TS	minElute minFlute	100 30	3600000 A+Sucrose	2011-05-12	32907287 31111731	0.3534	36716 36370	
fMuscle_leg fMuscle_back		ENCSR295ELC	ENCLB569ADS ENCLB370TUO	ENCBS897YOR	AG8925	LN4469	DS19117			keletal Muscle keletal Muscle		Primary Primary	Primary Primary	Mesodern	Muscle_leg Muscle_back	Fetal Fetal	96D 96D	M	H24218		Experiment protocol Experiment protocol	TS	minElute	80 13.5	6030000 A+Sucrose 2700000 A+Sucrose	2011-05-18 2011-05-18	31111731 35542022	0.4275 0.3664	33795 33538	
fSkin_fibro_back		ENCSR184LMY	ENCLB186EVC	ENCBS336CDQ	AG8923	LN4486	DS19174	DS19233	Connective		Skin	Primary	Primary	Mesodern	Skin_fibro_back	Fetal	96D	M	H24218	Biosample protocol	Experiment protocol	TS	minElute	160 32.4	9680000 PBS+A	2011-05-24	242982733	0.6782	239511 239318	

a de la constante de la consta	Mry Partour and Marie	a little little	, meny to	ne service D	ndi	agaior E	aryl ^D month	arie D	get de la constante de la cons	ď	de tyf	ad graft	s gd	, Mar	/	i,se ^o			A product	W ILL THE DECT	٠	A method destroy	R Jantoine	guelde heet trekt	joi jagagari	and the and	±0√8¢	goe agraph parts under
Blossen	Vocatori.	PCCEN	DECTE	OCC BILL	Altius Par	AMUS	Altito	Roplicat	System Sutte	Age. Oldar.	Biosanti	Biologic	Gorn is	Describe	Growth	P.Ge	Sof Ethnicks	Donorit	Bitesanti	Experim	Library.	Library	Distagal Amoun	Rudai C Protesta	Library	Reads C	Decap	Perdot Dies in
fSkin_fibro_back fKidney_renal_pelv			ENCLB903VKT ENCLB900API				DS19233	DS19174	Connective	Skin Kidnev	Primary Primary	Primary Primary	Mesoder	n Skin_fibro_back n Kidney renal pelvis R	Fetal Fetal	96D 105D	M	H24218 H24232	Biosample protocol	Experiment protocol Experiment protocol	TS	minElute minElute	160 24.8 60 19.6	13120000 PBS+A 6900000 A+Sucrose	2011-05-25	30502874 29285437	0.6782	85027 84973 47353 47167
fKidney_renal_pelv		ENCSR258IBL	ENCLB234ZEF	ENCBS754ANY	AG8920	LN4492	DS19238		Renal	Kidney	Primary	Primary	Mesoder	m Kidney_renal_pelvis_L	Fetal	105D	M	H24232		Experiment protocol	TS	minElute	60 3	2160000 A+Sucrose	2011-05-26	32635538		47624 47450
fKidney_renal_corts fKidney_renal_corts			ENCLB234NXN ENCLB732POP						Renal Renal	Kidney	Primary Primary	Primary Primary	Mesoder Mesoder	m Kidney_renal_cortex_R m Kidney_renal_cortex_L	Fetal Fetal	105D 105D	M	H24232 H24232		Experiment protocol Experiment protocol	TS TS	minElute minElute	60 16.7 60 32.7	5710000 A+Sucrose 6750000 A+Sucrose	2011-05-31	27338258 31905465	0.5307	46303 46045 55648 55378
fMuscle_arm			ENCLB307GSJ ENCLB287ODF						Musculoskeletal Skeli	etal Muscle Muscle etal Muscle Muscle	Primary	Primary	Mesoder	n Muscle_arm n Muscle leg	Fetal	96D	M	H24244 H24244		Experiment protocol	TS TS		100 7.3 80 17.6	4050000 A+Sucrose 6300000 A+Sucrose	2011-06-01	32846465 47461180		58722 58491 79692 79401
fMuscle_leg fMuscle_upper_bac	Musculoskeletal	ENCSR696CUE	ENCLB833PHR	ENCBS479AOA	AG8915	LN4506	DS19283		Musculoskeletal Skele	etal Muscle Muscle	Primary Primary	Primary Primary	Mesoder	m Muscle_upper_back	Fetal	96D 96D	M	H24244	Biosample protocol	Experiment protocol Experiment protocol	TS	minElute minElute	80 16.3	2160000 A+Sucrose	2011-06-03	29564149	0.4184	34487 34248
fMuscle_leg fMuscle_arm			ENCLB123BGQ ENCLB736PUY							etal Muscle Muscle etal Muscle Muscle	Primary Primary	Primary Primary		n Muscle_leg n Muscle_arm	Fetal Fetal	97D 97D	M	H24259 H24259		Experiment protocol Experiment protocol	TS TS	minElute minElute	60 14.4 80 14.1	5040000 A+Sucrose 5500000 A+Sucrose	2011-06-03	25614262 24892183		52107 51945 45485 45298
Mesendoderm	Primitive / embryonic	ENCSR714DIF	ENCLB903DZR ENCLB379MOI	ENCBS084NIJ	AG8911	LN4515	DS19310	DS18732	Embryonic	Germ	Lines	ESC	Primitive	Mesendoderm	Embryoni	c 85D	I	H24272	Biosample protocol	Experiment protocol	TS	minElute minElute	60 25.5	5970000 Buffer A 6840000 A+Sucrose	2011-06-07	270380677	0.5299	280673 279999
fMuscle_arm fMuscle_back		ENCSR193LYA	ENCLB418RYV	ENCBS825MQT	T AG8909	LN4522	DS19384			etal Muscle Muscle	Primary Primary	Primary Primary	Mesoder	m Muscle_back	Fetal	85D	F	H24272		Experiment protocol Experiment protocol	TS TS	minElute	80 17.9 80 12.5	5130000 A+Sucrose	2011-06-10	31785183 33193087	0.552	58508 58226 61880 61565
fKidney_renal_pelv fKidney_renal_corts1	Tissue invariant		ENCLB086BKE ENCLB641KWO						Renal	Kidney	Primary Primary	Primary Primary	Mesoder	m Kidney_renal_pelvis m Kidney_renal_cortex	Fetal	97D 97D	M	H24259 H24259	Biosample protocol	Experiment protocol Experiment protocol	TS TS	minElute minElute	60 9.4	4410000 A+Sucrose 6660000 A+Sucrose	2011-06-10	25427379		41133 40905 43959 43742
fPlacenta F	Placental / trophoblas	ENCSR648RAX	ENCLB558ALO	ENCBS755ISG	AG8906	LN4525	DS19391		Fetal Life Support	Placenta	Primary	Primary	Endoden	Placenta	Fetal	85D	F	H24272		Experiment protocol	TS	minElute	60 16.7	4560000 A+Sucrose	2011-06-13	34069627	0.5477	84669 84506
fHeart (Cardiac Cardiac		ENCLB150PDN ENCLB629CQG						Cardiovascular Card Cardiovascular Card		Primary Primary	Primary Primary	Mesoder Mesoder		Fetal Fetal	120D 91D	M F	H24042 H23744	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol	TS TS	minElute minElute	80 22.7 80 7.8	7280000 A+Sucrose 4590000 A+Sucrose	2011-06-15	40109410 37454064		86932 86720 74897 74683
fMuscle_leg	Musculoskeletal		ENCLB732WZU						Musculoskeletal Skeli	etal Muscle Muscle	Primary	Primary	Mesoder	n Muscle_leg	Fetal	101D	M	H24279		Experiment protocol	TS	minElute	80 16.9	7290000 A+Sucrose	2011-06-17	36848570		73475 73254
fMuscle_back fSkin_fibro_scalp		ENCSR360LBD	ENCLB276NVX ENCLB613QNN	ENCBS890NFL	AG8901	LN4534	DS19444	DS19449	Musculoskeletal Skeli Connective	etal Muscle Muscle Skin	Primary Primary	Primary Primary	Mesoder	n Muscle_back n Skin_fibro_scalp	Fetal Fetal	101D 97D	M	H24279 H24259		Experiment protocol Experiment protocol	TS	minElute	100 25.8 80 19.6	4050000 A+Sucrose 12600000 PBS+A	2011-06-20	27952050 25393646	0.6399	52039 51783 76778 76729
fSkin_fibro_scalp fSkin_fibro_abdome	Stromal B Stromal A		ENCLB972ZRN ENCLB847WYZ			LN4535	DS19449	DS19444	Connective Connective	Skin	Primary Primary	Primary Primary	Mesoder	n Skin fibro scalp n Skin fibro abdomen	Fetal	97D 97D	M	H24259 H24259		Experiment protocol Experiment protocol	TS TS	minElute minElute	80 13.7 120 26.7	10600000 PBS+A 9700000 PBS+A	2011-06-20 2011-06-28	272413636 32822395		241689 241496 76630 76567
fSkin_fibro_abdome	Stromal B	ENCSR622TWS	ENCLB616NHI	ENCBS599YIE	AG8898	LN4587	DS19561		Connective	Skin	Primary	Primary	Mesoder	m Skin_fibro_abdomen	Fetal	97D	M	H24259	Biosample protocol	Experiment protocol		minElute	80 13	18600000 PBS+A	2011-06-28	265470134	0.618	235278 235079
fMuscle_leg fMuscle_arm			ENCLB340MIB ENCLB669FYE						Musculoskeletal Skele Musculoskeletal Skele	etal Muscle Muscle	Primary Primary	Primary Primary		m Muscle_leg m Muscle_arm	Fetal Fetal	104D 104D	M M	H24297 H24297		Experiment protocol Experiment protocol	TS TS	minElute minElute	80 16.9 100 25.8	5990000 A+Sucrose 6840000 A+Sucrose	2011-07-01	27853503 28747559		52756 52588 43970 43721
fMuscle_back		ENCSR141NSQ	ENCLB015UCM	ENCBS152UTM	AG8895	LN4609				etal Muscle Muscle	Primary	Primary	Mesoder	n Muscle back	Fetal	104D	M	H24297	Biosample protocol	Experiment protocol	TS	minElute	100 25.8	5760000 A+Sucrose	2011-07-05	67804941	0.527	120006 119769
fSkin_fibro_upper_f fSkin_fibro_upper_	Stromal A Stromal B	ENCSR670VQZ ENCSR325LYJ	ENCLB279JDA ENCLB041IUQ			LN4630 LN4632	DS19696 DS19706	DS20056	Connective Connective	Skin Skin	Primary Primary	Primary Primary	Mesoder Mesoder	n Skin_fibro_upper_back n Skin_fibro_upper_back	Fetal Fetal	97D 97D	M	H24259 H24259	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol	TS TS	minElute minElute	80 6.9 80 4.6	17000000 PBS+A 19400000 PBS+A	2011-07-08	25709926 275786816		73562 73508 252156 251957
fSkin_fibro_bicep_f	Stromal B		ENCLB034EFP ENCLB416LXU						Connective	Skin	Primary	Primary	Mesoder	n Skin_fibro_bicep_R	Fetal	97D	M	H24259	Biosample protocol	Experiment protocol	TS		80 13.4	15600000 PBS+A	2011-07-14	338904329		254244 254050
fSkin_fibro_bicep_f	Stromal A		ENCLB589ZZZ				DS19761 DS19790		Connective Integumentary	Skin Mammary	Primary Cancer	Primary Cancer		n Skin_fibro_bicep_R human epithelial cell line derived from an mamm	Fetal Adult	97D 54Y	M F	H24259	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol	TS	minElute minElute	100 23.9 120 30.8	7680000 PBS+A 15840000 PBS+A	2011-07-14	30688937 35936743		85191 85132 87286 87168
T_47D fSkin fibro bicep t			ENCLB590ZZZ ENCLB826NMU						Integumentary Connective	Mammary	Cancer	Cancer	Ectodern	human epithelial cell line derived from an mamm	Adult Fetal	54Y 97D	F	H24259		Experiment protocol Experiment protocol	TS	minElute minElute	80 44.9 80 7.1	21840000 PBS+A 16400000 PBS+A	2011-07-15	253903931 28915533		180223 179947 79870 79809
fSkin fibro bicep t		ENCSR648GDP	ENCLB919KVD	ENCBS991CER	R AG8889	LN4665	DS19867	DS19857	Connective	Skin	Primary	Primary	Mesoder	n Skin_fibro_bicep_L	Fetal	97D	M	H24259	Biosample protocol	Experiment protocol	TS	minElute	80 15.7	16400000 PBS+A	2011-07-21	26227215	0.6254	75013 74949
fSkin_fibro_leg_R_	Stromal A		ENCLB882WRF						Connective	Skin	Primary Primary	Primary Primary		n Skin_fibro_leg_R_quad n Skin_fibro_leg_R_quad	Fetal	97D 97D	M	H24259 H24259		Experiment protocol Experiment protocol	TS	minElute minElute	80 21.8 80 14.7	15100000 PBS+A 16100000 PBS+A	2011-07-26	247806344 41945327		216357 216209 100642 100575
fKidney renal corts	Strollial A	ENCSR932DHT	ENCLB265VMA	ENCBS657UUF	AG8886	LN4705	DS20018	D3 19943	Renal	Kidney	Primary	Primary	Mesoder	m Kidney renal cortex	Fetal	96D	F	H24342	Biosample protocol	Experiment protocol	TS	minElute	60 15	3550000 A+Sucrose	2011-08-01	29912961	0.5394	56479 56209
fKidney_renal_pelv fKidney_renal_corts			ENCLB865BOU ENCLB022FHE						Renal Renal	Kidney Kidney	Primary Primary	Primary Primary		m Kidney_renal_pelvis m Kidney_renal_cortex	Fetal Fetal	96D 96D	F	H24342 H24365		Experiment protocol Experiment protocol	TS	minElute minElute	70 13.5 60 7.6	3300000 A+Sucrose 2800000 A+Sucrose	2011-08-01	35849066 30741084		60909 60639 54938 54740
fKidney_renal_pelv		ENCSR141DMX	ENCLB526EFV	ENCBS051JUB	AG8883	LN4708	DS20027		Renal	Kidney	Primary	Primary	Mesoder	m Kidney_renal_pelvis	Fetal	96D	F	H24365	Biosample protocol	Experiment protocol	TS	minElute	60 8.7	5600000 A+Sucrose	2011-08-01	22009864	0.5225	41857 41718
fSkin_fibro_leg_L_c	Stromal A Stromal A		ENCLB601AFB ENCLB567VCQ					DS19706	Connective	Skin Skin	Primary Primary	Primary Primary		n Skin_fibroblast n Skin_fibro_leg_L_quad	Fetal Fetal	97D 97D	M	H24259 H24259		Experiment protocol Experiment protocol	TS TS	minElute minElute	80 29.5 80 14.4	14000000 PBS+A 18000000 PBS+A	2011-08-04	35965569 37597327		96389 96292 97216 97142
fTestes			ENCLB169OXT ENCLB480EUZ			LN4749 LN4769	DS20170		Genitourinary	Gonad	Primary	Primary	Mesoder Ectodern	n Testes	Fetal	Pooled	M	H23914+H24		Experiment protocol	TS	minElute	60 8.9	3330000 A+Sucrose	2011-08-12	38702549 31912335	0.4293	65272 64967 60195 59981
fBrain			ENCLB480EUZ ENCLB674XIY				DS20221 DS20226		Nervous	Brain Brain	Primary Primary	Primary Primary	Ectodern		Fetal	101D 104D	M	H24279 H24297	Biosample protocol	Experiment protocol Experiment protocol	TS	minElute	60 15.1	6180000 A+Sucrose 5520000 A+Sucrose	2011-08-18	31912335 35138969		95006 94728
fBrain fMuscle leg	dueculoekolatal		ENCLB524SFS ENCLB190ERN						Nervous Musculoskalatal Skala	Brain etal Muscle Muscle	Primary Primary	Primary Primary	Ectodern	Brain n Muscle leg	Fetal	109D 113D	F	H24381 H24409		Experiment protocol Experiment protocol	TS TS	minElute minElute	60 18 80 10	5400000 A+Sucrose 5450000 A+Sucrose	2011-08-18	29731716	0.4616	59328 59096 298408 295314
fMuscle_trunk	Musculoskeletal	ENCSR440FZS	ENCLB918UUN	ENCBS390NDG	G AG8874	LN4773	DS20242		Musculoskeletal Skeli	etal Muscle Muscle	Primary	Primary	Mesoder	m Muscle_trunk	Fetal	113D	F	H24409	Biosample protocol	Experiment protocol	TS	minElute	100 25.1	6750000 A+Sucrose	2011-08-19	375675884	0.5311	259622 258512
fMuscle_back Psoas Muscle			ENCLB435GJF ENCLB872RLQ							etal Muscle Muscle etal Muscle Muscle	Primary Primary	Primary Primary		n Muscle_back n Psoas Muscle	Fetal Child	113D 3Y	F	H24409 STL001		Experiment protocol Experiment protocol	TS TS	minElute minElute	100 27.6 50 8.7	8100000 Buffer A 5940000 A+Sucrose	2011-08-22	32589769 313887682		63024 62826 161467 161079
fThymus		ENCSR682PKY	ENCLB486RLM	ENCBS620MU0	O AG8871	LN4802	DS20335		Hematopoietic T-cel		Primary	Primary	Mesoder	n Thymus	Fetal	108D	М	H24401 H24409	Biosample protocol	Experiment protocol	TS	minElute	60 21	6930000 A+Sucrose	2011-08-29	30309170		47423 47245
fThymus L fAdrenal	ymphoid	ENCSR696XSJ	ENCLB648MFT ENCLB835VUX	ENCBS338LYQ	AG8869				Hematopoietic T-cel Endocrine	Blood Adrenal Gland	Primary d Primary	Primary Primary	Mesoder Mesoder	n Thymus n Adrenal	Fetal	113D 113D	F	H24409 H24409		Experiment protocol Experiment protocol	TS TS	minElute minElute	60 24.1 60 48.8	8010000 A+Sucrose 9400000 A+Sucrose	2011-08-30	263615272 34706677	0.3815	124011 123481 61833 61703
fStomach 1 fSpinal cord	lissue invariant		ENCLB258VOK ENCLB612QRA			LN4806	DS20349		Digestive	Stomach Spinal Cord	Primary Primary	Primary Primary		n Stomach n Spinal cord	Fetal Fetal	108D 113D	M	H24401 H24409		Experiment protocol Experiment protocol	TS TS	minElute minElute	80 14.4 80 15	5940000 A+Sucrose 4460000 A+Sucrose	2011-08-31	30613792 372212886		45315 45098 237727 236721
fKidney_renal_pelv	veural Organ devel. / renal	ENCSR554WUJ	ENCLB931EJM	ENCBS166PBJ	AG8866	LN4854	DS20448		Renal	Kidney	Primary	Primary	Mesoder	m Kidney_renal_pelvis	Fetal	103D	F	H24409 H24477	Biosample protocol	Experiment protocol	TS	minElute	60 15.4	5310000 A+Sucrose	2011-09-22	53120604	0.4951	90628 90293
LHCN_M2 M059J		ENCSPONEPE	ENCLB543ZZZ ENCLB547ZZZ						Musculoskeletal	Muscle	Lines	Immortalized		n human skeletal myoblasts derived from satellite malignant glioblastoma; glioma	Adult	41Y 33Y	M Cauc			Experiment protocol	TS	minElute minElute	80 8.2	8300000 PBS+A 9600000 PBS+A	2011-09-26	38876186	0.6335	92131 92023
M059J			ENCLB548ZZZ	ENCBS062ILC	AG4038	LN4860	DS20497	DS20493	Nervous	Brain	Cancer	Cancer	Ectodern	malignant glioblastoma; glioma	Adult	33Y	M		Biosample protocol	Experiment protocol	TS	minElute	120 43.7	10300000 PBS+A	2011-09-26	52469081	0.6814	121428 121296
MSC			ENCLB420ZZZ ENCLB421ZZZ						Connective	Stroma Stroma	Primary Primary	Primary		n Bone marrow stromal cells n Bone marrow stromal cells	Adult					Experiment protocol Experiment protocol	TS TS	minElute minElute	120 24.6 80 12.3	5770000 PBS+A 7320000 PBS+A	2011-09-27	38910038 26167470		117721 117586 76231 76169
fSpinal_cord LHCN M2 D4			ENCLB098XBT ENCLB541ZZZ					0000047	Nervous Musculoskeletal	Spinal Cord Muscle	Primary Lines	Primary Immortalized		Spinal_cord	Fetal Adult	89D 41Y	F M Cauc	H24493	Biosample protocol	Experiment protocol Experiment protocol	TS TS	minElute minElute	80 18.4 140 76.2	5940000 A+Sucrose 6640000 PBS+A	2011-09-28	35060823 232747680		55832 55548 244673 244228
fMuscle_trunk	Musculoskeletal	ENCSR411MGY	ENCLB516LAB	ENCBS147SIF	AG8864	LN4868	DS20544	DS20647	Musculoskeletal	Muscle	Primary	Primary	Mesoder	m Muscle_trunk	Fetal	121D	F Cauc	H24507		Experiment protocol	TS	minElute	90 15.1	5130000 A+Sucrose	2011-10-03	41767753	0.399	67510 67251
fStomach 1 LHCN M2	lissue invariant		ENCLB311KAA ENCLB544777					DC2049E	Digestive	Stomach Muscle	Primary Lines	Primary		n Stomach n human skeletal myoblasts derived from satellite	Fetal	121D 41Y	F M Cauc	H24507	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol	TS TS	minElute minElute	80 28.9 80 25.7	6030000 A+Sucrose	2011-10-03	35532000 208970620	0.4211	50850 50666 228620 228393
fKidney		ENCSR082JCE	ENCLB843POL	ENCBS434KXU	J AG8862	LN4871	DS20564	D320403	Renal	Kidney	Primary	Primary	Mesoder	n fKidney	Fetal	121D	F	H24507		Experiment protocol		minElute	60 88.2	7800000 A+Sucrose	2011-10-05	24550795	0.4181	39388 39256
fKidney_renal_corts fKidney_renal_pelv	Organ devel, / renal	ENCSR851ZFT ENCSR911YVV	ENCLB504HAW ENCLB859DRY						Renal Renal	Kidney Kidney	Primary Primary	Primary Primary		n fKidney_cortex n fKidney_renal_pelvis	Fetal Fetal	89D 89D	F	H24493 H24493		Experiment protocol Experiment protocol	TS TS	minElute minElute	60 16.2 60 22.6	5670000 A+Sucrose 4590000 A+Sucrose	2011-10-05	35459876 40423796		64189 63961 71283 70986
LHCN_M2_D4			ENCLB542ZZZ						Musculoskeletal	Muscle	Lines	Immortalized	d Mesoder	human skeletal myoblasts derived from satellite	Adult	41Y	M Cauc		Biosample protocol	Experiment protocol	TS	minElute	120 53.8	7840000 PBS+A	2011-10-07	38041147		101016 100902
MSC Small_Intestine_Mul	Digestive	ENCSR931UQB	ENCLB229OXM ENCLB776CXK	ENCBS853LFM	AG8858	LN4899	DS20770	DS21042	Connective Digestive	Germ Small Intestin	Lines e Primary	ESC Primary	Endoden	n h.H1.polyMSC n Small bowel mucosa	Embryoni Adult	30Y	м	Thompson la STL003		Experiment protocol Experiment protocol	TS TS	minElute	60 9.9 60 63.7	5400000 Buffer A 6750000 A+Sucrose	2011-10-11	34347692 261183925	0.4702	72366 72271 187693 187198
fBrain fMuscle_back			ENCLB461YNR ENCLB793XMN						Nervous	Brain etal Muscle Muscle	Primary Primary	Primary Primary	Ectodern	fBrain n fMuscle_back	Fetal	105D 105D	M	H24510 H24510		Experiment protocol Experiment protocol	TS TS	minElute minElute	60 38.9 80 21.4	10340000 A+Sucrose 8280000 A+Sucrose	2011-10-25	35336877 35295319		83133 82877 59965 59804
fMuscle_leg		ENCSR286WIA	ENCLB996RNA	ENCBS931RAE	AG8855	LN4906	DS20797		Musculoskeletal Skeli	etal Muscle Muscle	Primary	Primary	Mesoder	n fMuscle_leg	Fetal	105D	M	H24510		Experiment protocol	TS	minElute	80 9.5	5270000 A+Sucrose	2011-10-26	30962685	0.5152	60497 60326
RPMI_7951 RPMI_7951			ENCLB577ZZZ ENCLB578ZZZ						Integumentary	Skin Skin	Cancer	Cancer		malignant melanoma, adherent, epithelial-like, g malignant melanoma, adherent, epithelial-like, g	g Adult	18Y 18Y	Cauc		Biosample protocol	Experiment protocol Experiment protocol	TS	minElute minElute	120 8.2 120 9.3	18180000 PBS+A 18750000 PBS+A	2011-11-08	40649561 312202754		92052 91947 231227 231020
fKidney_R 1	lissue invariant	ENCSR017TFH	ENCLB521YRN	ENCBS278PUN	AG8854	LN4936	DS20951		Renal	Kidney	Primary	Primary	Mesoder	n fKidney_R	Fetal	87D	F	H24582		Experiment protocol	TS	minElute	60 19.6	7830000 A+Sucrose	2011-11-15	25040896	0.5321	46710 46484
fSpinal_cord SK-N-DZ+RA (3 da			ENCLB050ORF ENCLB340ZYZ					DS21405	Nervous Nervous	Spinal Cord Brain	Primary Cancer	Primary Cancer		n fSpinal_cord Human Neuroblastoma from Bone Marrow	Fetal Child	87D 2Y	F	H24582	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol	TS TS	minElute minElute	80 19.5 60 14.3	5890000 A+Sucrose 14600000 PBS+A	2011-11-16	22732283 33890909		37644 37479 64855 64555
VHMEC	Cancer / epithelial		ENCLB160GNU	ENCBS090LBL	AG8852	LN10000	DS18406	DS18438	Epithelial	Mammary	Primary	Primary	Ectodern	vHMEC	Adult	011	-	RM035	Biosample protocol	Experiment protocol			160 49.94	10190000 PBS+A	2011-03-11	272623585	0.5219	217580 217243
SK-N-DZ+RA (3 da SKNDZ			ENCLB339ZYZ ENCLB534QSX					⊔S21417	Nervous Nervous	Brain Brain	Cancer	Cancer		Human Neuroblastoma from Bone Marrow Human Neuroblastoma from Bone Marrow	Child	2Y 2Y	F			Experiment protocol Experiment protocol		Sucrose Sucrose	60 49.94 60 49.88	11870000 PBS+A 14400000 PBS+A	2012-01-10 40917	239753206 372223058	0.4633	154834 154161 134452 133892
SKNDZ Skin_Melanocytes		ENCSR946MVP ENCSR518JGY	ENCLB799DVF ENCLB338EOX					D010000	Nervous	Brain Skin	Cancer	Cancer		Human Neuroblastoma from Bone Marrow Skin Melanocytes	Child	2Y	F	Skin 02	Biosample protocol	Experiment protocol		Sucrose	60 42.24	10100000 PBS+A 8640000 PBS+A	2012-01-09	284019938 34911631		128052 127534 72476 72389
Skin_Melanocytes		ENCSR4340BM	ENCLB008CKM	ENCBS425NOC	G AG8849	LN10007	DS18590	DS18601	Integumentary Integumentary	Skin	Primary Primary	Primary Primary	Ectodern	Skin_Melanocytes	Neonatal Neonatal		M	Skin 01	Biosample protocol	Experiment protocol Experiment protocol			80	5510000 PBS+A	40730 2011-03-29	193927893	0.5569	184832 184464
Skin_Keratinocytes Pancreas	Cancer / epithelial		ENCLB715HKH ENCLB305YKH					DS18695	Integumentary Endocrine	Skin Pancreas	Primary Primary	Primary Primary		n Skin_Keratinocytes n Pancreas	Neonatal Adult	neonatal 30Y	M	Skin 01 STL003		Experiment protocol Experiment protocol			160	6330000 PBS+A 7500000 A+Sucrose	2011-04-06	188574315 35282184		232333 231649 47787 47684
Ovary		ENCSR712PYJ	ENCLB813DXR	ENCBS3410KA	AG8845	LN10012	DS20827		Genitourinary	Ovary	Primary	Primary	Mesoder	n Ovary	Adult	30Y	F	STL003	Biosample protocol	Experiment protocol			60	14400000 A+Sucrose	2011-10-31	41761330	0.3248	52856 52700
iPS_19_11 Feart	Primitive / embryonic		ENCLB521KWF ENCLB187PEJ						Embryonic Cardiovascular Card	Germ iac Heart	Lines	iPSC Primary	Primitive Mesoder	Induced pluripotent stem cells Heart	Neonatal Child	3Y		STL001	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol			90	10800000 PBS 4230000 A+Sucrose	2010-05-26	289623335 32201010		207795 207293 41430 41290
MSC		ENCSR731QLJ	ENCLB073XYQ	ENCBS725VAK	AG8842	LN10043	DS21042	DS20671	Connective	Germ	Lines	ESC	Mesoder	n h.H1.polyMSC	Embryoni	c		Thompson		Experiment protocol			80	6300000 PBS+A	2011-12-01	341743127	0.5932	225760 225196
Stomach_Mucosa fThymus			ENCLB330JSO ENCLB141WYB						Digestive Hematopoietic T-cel	Stomach Blood	Primary Primary	Primary Primary		n Gastric_Mucosa n Fetal Thymus (significant portion of tissue is blo	Child x Fetal	3Y 104D	М	STL001 H24297	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol			100	6880000 A+Sucrose 5130000 A+Sucrose	2011-08-23	39696679 40969311		51289 51149 51321 50998
fStomach fStomach		ENCSR062DUU	ENCLB503KEW ENCLB975WIF	ENCBS690HEC	AG8838	LN10051	DS20791		Digestive	Stomach	Primary	Primary	Endoden	n Stomach	Fetal	105D	M	H24510 H24365	Biosample protocol	Experiment protocol			80	2880000 A+Sucrose 3690000 A+Sucrose	40842	31565392 58287039	0.3164	36762 36624 59676 59217
fStomach fStomach			ENCLB975WIF ENCLB880AYL						Digestive Digestive	Stomach Stomach	Primary Primary	Primary Primary		n Stomach	Fetal Fetal	96D 96D	F	H24365 H24342	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol			80	3690000 A+Sucrose 2070000 A+Sucrose	40759 2011-07-25	56267039 56646207		59676 59217 63176 62778
fSpinal_cord fPlacenta	Placental / trophobles		ENCLB105FMM ENCLB392DHN						Nervous Fetal Life Support	Spinal Cord Placenta	Primary Primary	Primary Primary	Ectodern	SpinalCord_d96_M	Fetal Fetal	96D 113D	M	H24244 H24409		Experiment protocol Experiment protocol			80	4500000 A+Sucrose 4000000 A+Sucrose	2011-06-01	33052984 536365327	0.3365	41798 41516 259861 259105
fPlacenta		ENCSR802AJE	ENCLB958USK	ENCBS454SHH	4 AG8833	LN10067	DS21111		Fetal Life Support	Placenta	Primary	Primary		n fPlacenta	Fetal	85D	М	H24608	Biosample protocol	Experiment protocol			60	14220000 A+Sucrose	2011-12-07	35086379	0.3396	48008 47888
fPlacenta F	Placental / trophoblas	ENCSR545KQR	ENCLB460PPD	ENCBS171TKY	AG8832	LN10068	DS20793		Fetal Life Support	Placenta	Primary	Primary	Endoden	n fPlacenta	Fetal	105D	M	H24510	Biosample protocol	Experiment protocol			60	7770000 A+Sucrose	2011-10-26	44039880	0.5832	109857 109707

a turne	T despendent dive	and the second	ayıb	ander	grei	Spilon D Revilo	agende D	ggettedor /	/		in type	grate			,	, e			Spice	nt produced	" restroit	a desired	uedee bed (roll)	go' dege	AND LINE SE	T scott	is store parts start
Blowning	Vacatatite.	DECEMB	DCC LBris	DCC Bloss	Allius Agus	ANUTO LID.	un Bo Replicate	System	Sutheyater	Organ	Biosampa	Biologicat	Gorm laye	Specialists	Growins	P.Ge	50 ⁴ Ethnicity	Donorio	Bidgenigh	Exparimen	Library his Library cits	Dhineel ut. Arround	Hudel con Protester	Library at	Reads use	DCC SPO.	Per Hose Three In It.
fOvary fMuscle_arm		ENCSR356QCD	ENCLB715FIN ENCLB236HTC	ENCBS170QGH	AG8830	LN10070 DS	19439	Genitourinary Musculoskeletz	al Skeletal Muscle		Primary Primary	Primary Primary		Ovary Muscle_arm	Fetal Fetal	110D,107D 101D	F	H23604 (d11 H24279	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol		100	4500000 A+Sucrose 4950000 A+Sucrose	2010-12-01 2011-06-17	27506520 19344520	0.3556 2	38334 38003 27698 27504
fMuscle_leg fLung_R	Pulmonary devel.		ENCLB553XSU ENCLB372VPW					Musculoskeletz Respiratory	al Skeletal Muscle	Muscle Lung	Primary Primary	Primary Primary	Mesoderm Endoderm	fMuscle_leg fLung R	Fetal Fetal	85D 87D	F M	H24272 H24626		Experiment protocol	Sucrose	80 40 46.08	2430000 A+Sucrose 11600000 A+Sucrose	2011-06-10	30845413 37576278		39912 39630 85107 84954
fLung_L fKidney_R	Pulmonary devel.	ENCSR4410GH	ENCLB584CHT ENCLB003SYR	ENCBS116AWF	AG8827	LN10074 DS	21334	Respiratory		Lung	Primary Primary	Primary Primary	Endoderm	fLung_L fKidney R	Fetal	87D	M	H24626 H24568	Biosample protocol	Experiment protocol Experiment protocol	Sucrose	40 19.32	13100000 A+Sucrose 5260000 A+Sucrose	2011-12-29	41502598		89187 89005 64143 63874
fKidney_R		ENCSR332BSB	ENCLB517LRV	ENCBS006TBC	AG8825	LN10077 DS	21340	Renal		Kidney	Primary	Primary	Mesoderm	fKidney_R	Fetal	87D	F	H24628	Biosample protocol	Experiment protocol	Sucrose	50 26.18	5250000 A+Sucrose	2011-12-30	28772144	0.5646 5	54129 53919
fKidney_R fKidney_renal_cor	Organ devel. / renal	ENCSR656QYL	ENCLB208VBI ENCLB328FBF	ENCBS345NEG	AG8823	LN10079 DS	20445	Renal Renal		Kidney Kidney	Primary Primary	Primary Primary	Mesoderm Mesoderm	Kidney codex	Fetal Fetal	108D 103D	F	H24595 H24477	Biosample protocol	Experiment protocol Experiment protocol		60	13080000 A+Sucrose 10940000 A+Sucrose	2011-12-02 2011-09-22	24652076 48061574	0.3791 7	33923 33768 73570 73317
fKidney_L fKidney_L	Organ devel. / renal		ENCLB713HDB ENCLB379FUC					Renal Renal		Kidney Kidney	Primary Primary	Primary Primary	Mesoderm	fKidney_L fKidney L	Fetal Fetal	98D 87D	F	H24568 H24626		Experiment protocol	Sucrose	60 27.72	6320000 A+Sucrose 3780000 A+Sucrose	2011-11-09	48646132 40121904		76866 76509 60854 60484
fKidney_L fKidney	Organ devel. / renal		ENCLB759WWN ENCLB476KOD					Renal Renal		Kidney Kidney	Primary Primary	Primary Primary	Mesoderm Mesoderm	fKidney_L fKidney	Fetal Fetal	87D 85D	F M	H24582 H24608		Experiment protocol Experiment protocol		60	7250000 A+Sucrose 7920000 A+Sucrose	2011-11-15	42198177 35945996		75511 75172 80296 80064
fKidney fAdrenal	- 9	ENCSR527PAX	ENCLB106FOG ENCLB491TGW	ENCBS382CRI	AG8818	LN10084 DS	20987 DS20988	Renal Endocrine		Kidney Adrenal Gland	Primary Primary	Primary Primary	Mesoderm	fKidney	Fetal	113D 101D	F	H24584 H24279	Biosample protocol	Experiment protocol Experiment protocol		60	18120000 A+Sucrose 4680000 A+Sucrose	2011-11-18	19295524 44160570	0.438 3	30564 30423 62863 62655
fAdrenal		ENCSR866RCY	ENCLB096KLT	ENCBS660CJK	AG8816	LN10086 DS	19395	Endocrine		Adrenal Gland	Primary	Primary	Mesoderm	Adrenal	Fetal	85D	F	H24272		Experiment protocol		60	4140000 A+Sucrose	2011-06-13	25697557	0.3294 4	43506 43404
CD34 CD8	Myeloid / erythroid Lymphoid	ENCSR316UDN	ENCLB860SDJ ENCLB305XZE	ENCBS714KQF	AG8814	LN10088 DS	17885	Hematopoietic Hematopoietic	Progenitor T-cell	Blood	Primary Primary	Primary Primary	Mesoderm		Adult Adult	33Y 37Y	F Cauc M Hisp	RO 01549 RO 01701	Biosample protocol Biosample protocol	Experiment protocol Experiment protocol	PE PE	120	7840000 Buffer A	2009-10-22 2011-01-31	352144704 482751180	0.6957 1	233877 233250 114342 113840
CD4 fKidney	Croan devel / renal	ENCSR683QJJ ENCSR774RCO	ENCLB270QXD ENCLB758QYY			LN10089 DS		Hematopoietic Renal	T-cell	Blood Kidney	Primary Primary	Primary Primary	Mesoderm Mesoderm	CD4+ T cells fKidney	Adult Fetal	21Y 105D	M Cauc	RO 01721/R H24510	Biosample protocol	Experiment protocol	PE Surmse	120 70	5910000 Buffer A 9990000 A+Sucrose	2010-11-03	401571361 274507681	0.6649 1	136624 136220 263699 262877
fMuscle_back	Tiesus invesions	ENCSR476SDZ	ENCLB953ZHB ENCLB963LDG	ENCBS122WMZ	AG8811	LN10114 DS	21048	Musculoskeletz Renal	al Skeletal Muscle		Primary	Primary Primary		fMuscle_back	Fetal Fetal	108D 113D	M	H24595 H24584		Experiment protocol	Sucrose Sucrose	80 70 32.98	9180000 A+Sucrose 18120000 A+Sucrose	2011-12-02	27771209 36520939		49282 49055 52222 51894
fKidney Namalwa + Senda	iii	ENCSR301OGM	ENCLB494YEV	ENCBS040JOT	AG3901	LN20355 DS	22648 DS22823	Hematopoietic	Lymphoid	Blood	Primary Cancer	Cancer	Mesoderm	Burkitts Lymphoma	Child	3Y	F	H24304	Biosample protocol	Experiment protocol Experiment protocol	Sucrose	50 49.91	7900000 PBS+A	2012-06-19	114834828	0.3568 8	81372 81135
Namalwa_0 Namalwa + Senda		ENCSR3010GM	ENCLB214IOO ENCLB655XKR	ENCBS566UPJ	AG3876	LN20369 DS	22823 DS22648	Hematopoietic Hematopoietic	Lymphoid Lymphoid	Blood	Cancer	Cancer	Mesoderm	Burkitts Lymphoma Burkitts Lymphoma	Child Child	3Y 3Y	F			Experiment protocol Experiment protocol	Sucrose Sucrose	40 22 40 11	6420000 PBS+A 7340000 PBS+A	2012-07-26 2012-07-31	422272378 446481866	0.4524 1	135013 134494 143623 143089
MCF10a_ER_SRC	Cancer / epithelial		ENCLB997DNA ENCLB988WLF					Epithelial Epithelial		Mammary Mammary	Cancer	Cancer	Ectoderm	Mammary epithelial cells Mammary epithelial cells	Adult Adult	36Y	F			Experiment protocol	Sucrose	80 24.86	14600000 PBS+A 19600000 PBS+A	2012-10-24	346519378 253713588	0.641 2	287072 286745 219112 218810
RPMI_8226 NCI H460	, , , , , , , , , , , , , , , , , , , ,	ENCSR594NOE		ENCBS457ZNO	AG3869	LN20400 DS	22919 DS22913C	Hematopoietic Respiratory	Myeloid	Blood	Cancer	Cancer	Mesoderm		Adult	61Y 37Y	M M		Biosample protocol	Experiment protocol Experiment protocol	Sucrose Molly's Sucrose	40 49.97 100 42.46	6800000 PBS+A 16800000 PBS+A	2012-08-17	239632971	0.4742 1	136638 136280 79678 79559
NCI_H460		ENCSR000FJH	ENCLB334ZYZ	ENCBS515AAA	AG3979	LN20411A DS	23114A DS23107	Respiratory		Lung	Cancer	Cancer	Endoderm	Human large cell lung carcinoma	Adult	37Y	M		Biosample protocol	Experiment protocol	Molly's Sucrose	120 56.54	9850000 PBS+A	2012-12-07	71392694	0.4981 6	64663 64587
SJCRH30 SJCRH30		ENCSR000FFJ	ENCLB336ZYZ	ENCBS517AAA	AG7537	LN20413A DS	23117 DS23123A, 23123A DS23117,D	Musculoskeletz Musculoskeletz	al al	Muscle Muscle	Cancer Cancer	Cancer	Mesoderm	Human muscle rhabdomyosarcoma Human muscle rhabdomyosarcoma	Child	17Y 17Y	M			Experiment protocol Experiment protocol	Molly's Sucrose Molly's Sucrose	100 75.24	19400000 PBS+A 19600000 PBS+A	2012-12-10 2012-12-10	61856074 393546633	0.498 2	102931 102625 212055 211449
SK_MEL_5 SK MEL 5							23131 DS23137,D 23137 DS23131,D	Integumentary Integumentary		Skin Skin	Cancer	Cancer Cancer		Human skin malignant melanoma Human skin malignant melanoma	Adult Adult	24Y 24Y	F			Experiment protocol Experiment protocol	Molly's Sucrose Molly's Sucrose	80 41.4 80 100.54	16000000 PBS+A 14200000 PBS+A	2012-12-11	287482154 79815628	0.466 1 0.409 8	166471 166251 88029 87923
fRetina fRetina	Neural		ENCLB943BIU ENCLB238FWZ					Nervous		Eye	Primary Primary	Primary Primary	Ectoderm Ectoderm	Retina	Fetal Fetal	85D 103D	F			Experiment protocol Experiment protocol	Molly's Sucrose Mondriar Sucrose	70 10.06 80	5120000 A+Sucrose 8100000 A+Sucrose	2012-12-19	177942830 214858308		134605 134176 142045 139232
fRetina	Neural	ENCSR621ENC	ENCLB587HLG	ENCBS386PSR	AG3878	LN20451 DS	23341	Nervous		Eye	Primary	Primary	Ectoderm	Retina	Fetal	74D	F		Biosample protocol	Experiment protocol	Mondriar Sucrose	100 9.3	3600000 A+Sucrose	2013-01-30	315836333	0.5081 1	159199 156520
fRetina ELF_1	Primitive / embryonic	ENCSR678ILN	ENCLB919JBV ENCLB083SLH	ENCBS467EKW	AG5517	LN20459 DS	23373 DS23378	Nervous Embryonic		Eye Germ	Primary Lines	Primary ESC		h.ESC ELF-1	Fetal Embryoni	125D	М			Experiment protocol Experiment protocol	Mondriar Sucrose	100 20 100 20	8040000 A+Sucrose 7100000 PBS+A	2013-02-06 2013-02-06	244360628 262127187	0.6103 1	130725 129624 194603 193826
ELF_1 HT_1080			ENCLB123VXG ENCLB331ZYZ					Embryonic Connective		Germ	Lines	ESC Cancer		h.ESC ELF-1 Fibrosarcoma	Embryoni Adult	35Y	м		Biosample protocol Biosample protocol	Experiment protocol Experiment protocol	Mondriar Sucrose Molly's Sucrose	140	6300000 PBS+A 8120000 PBS+A	2013-02-06 2013-02-26	31533758 48701710		50375 50238 95801 95689
HT_1080	Mysloid (prothroid	ENCSR000FDI	ENCLB332ZYZ ENCLB182IDD				23472 DS23466	Connective	Muslaid	Blood	Cancer	Cancer	Mesoderm	Fibrosarcoma Clone P00174E07 (Haplogen)	Adult	35Y	M		Biosample protocol	Experiment protocol	Mondriar Sucrose Mondriar Sucrose	140 9.35 80 9.5	7150000 PBS+A	2013-02-26	371761066 201604281	0.4865 1	197194 196972 149137 148738
KBM7	Myeloid / erythroid	ENCSR426IEA	ENCLB484IPH ENCLB763IVQ	ENCBS322FGS	AG3867	LN20484 DS	23535 DS23530	Hematopoietic	Myeloid	Blood	Cancer	Cancer	Mesoderm	Clone P00174E07 (Haplogen)	Adult	40Y	M	UWA 498		Experiment protocol	Sucrose	60	14360000 PBS+A	2013-03-06	90766816	0.5272 1	119041 118897
Brain_hippocampu Brain_Cerebellar_	Neural	ENCSR503HIB	ENCLB199OZA	ENCBS425ZXM	AG5514	LN20489 DS	23545	Nervous		Brain Brain	Primary Primary	Primary Primary	Ectoderm	Brain_Hippocampus (Ammon's Horn) Brain_cerebellar cortex	Adult	84Y 84Y	M	UWA 498 UWA 498	Biosample protocol	Experiment protocol Experiment protocol	Sucrose Sucrose	70		s 2013-03-07	344578025 485529537	0.4416 2	140795 140320 201363 199546
EH EH	Stromal A Stromal B	ENCSR548MMD	ENCLB393DEA ENCLB721PER	ENCBS070WLP	AG3823	LN20491 DS	23559 DS23553	Connective Connective		Skin Skin	Lines	Immortalized	Mesoderm	Adherent BJ-hTert cell line Adherent BJ-hTert cell line	Neonatal Neonatal		M M			Experiment protocol Experiment protocol	Molly's Sucrose	140 1.4 140 21	9450000 PBS+A 12600000 PBS+A	2013-03-11 2013-03-11	52662667 563411204	0.7854 2	107772 107692 294614 294312
MCF10a_ER_SR0 Cerebellar_Cortex	Cancer / epithelial	ENCSR385SZQ	ENCLB662JJO ENCLB084WAS	ENCBS317EPD	AG3915	LN20496 DS	22980	Epithelial Nervous		Mammary Brain	Cancer	Cancer		Mammary epithelial cells Cerebellar_Cortex	Adult Adult	36Y 78Y	F	UWA 479		Experiment protocol	Sucrose Mondriar Sucrose	100 21.21	11900000 PBS+A 12230000 Sucrose HLB	2012-10-24	228823814	0.5809 2	236984 236742 89668 88685
fBrain	Neural		ENCLB743EFP ENCLB361ZWP					Nervous		Brain Eye	Primary Primary	Primary Primary	Ectoderm Ectoderm	fBrain	Fetal Fetal	56D 56D	M	H25366 H25366	Biosample protocol	Experiment protocol Experiment protocol	FC-121- Sucrose	80 77.8 80 64.8	6030000 A+Sucrose 3460000 A+Sucrose	2013-05-24 2013-06-12	266001370		174122 173259 232675 231311
EL EL	Neural	ENCSR691MQJ	ENCLB267LQU	ENCBS910LXL	AG3825	LN20660A DS	23825A DS23819A	Connective		Skin	Lines	Immortalized	Mesoderm	Adherent BJ-like cell line	Neonatal	900	M	H25306	Biosample protocol	Experiment protocol	FC-121-/ Sucrose	100 456	13400000 PBS+A	2013-06-12	317683386	0.6 2	221717 221449
EL Brain_Globus_Pal	6	ENCSR771DAX	ENCLB853MWO	ENCBS704OFF	AG3872	LN20666A DS		Connective Nervous		Skin Brain	Lines Primary	Primary	Ectoderm	Adherent BJ-like cell line Brain_Globus_Pallidus	Neonatal Adult	78Y	M M	UWA 479	Biosample protocol	Experiment protocol Experiment protocol	FC-121-/ Sucrose	100 400.4 70 44.4	13500000 PBS+A 9450000 Sucrose HLB	2013-06-12 s 2013-06-12	53072806 275885521	0.4559 1	111303 111184 107648 107219
Globus_Pallidus fLung	Pulmonary devel.		ENCLB754WQC ENCLB099YIO					Nervous Respiratory		Brain Lung	Primary Primary	Primary Primary	Ectoderm Endoderm		Adult Fetal	84Y 80D	M F	UWA 498 H25386		Experiment protocol Experiment protocol	FC-121-/ Sucrose FC-121-/ Sucrose	90 200 60 41.2	6450000 Sucrose HLB 11000000 A+Sucrose	s 41437 2013-07-02	82406522 231714382	0.0100	61101 60939 234067 233495
Caki2	Renal / cancer		ENCLB384WEU ENCLB538RFP					Renal		Kidney Kidney	Cancer	Cancer		Adherent kidney Carcinoma, clear cell Adherent kidney Carcinoma, clear cell	Adult	69Y	M			Experiment protocol	Mondriar Sucrose Mondriar Sucrose	100 50 100 50	13300000 PBS+A 8800000 PBS+A	2013-07-09	220830970	0.6255 1 0.5607 3	145904 145349 31692 31588
SJSA1		ENCSR620WAR	ENCLB925FNH	ENCBS327EZG	AG3978	LN20838A DS	24241A DS24235A	Musculoskeletz	al .	Bone	Cancer	Cancer	Mesoderm	Osteosarcoma, multipotential sarcoma	Adult	19Y	M		Biosample protocol	Experiment protocol	Mondriar Sucrose	120 50	8400000 PBS+A	2013-07-09	40853966	0.3684 5	53016 52024
SJSA1 fKidney		ENCSR768OLL	ENCLB500XLJ	ENCBS816VUN	AG7533	LN20841A DS		Musculoskeleta Renal	2	Bone Kidney	Cancer Primary	Cancer Primary	Mesoderm	Osteosarcoma, multipotential sarcoma fKidney	Adult Fetal	19Y 91D	M	H24741	Biosample protocol	Experiment protocol Experiment protocol		120 50 40 18	8680000 PBS+A 5940000 A+Sucrose	2013-07-09 2012-03-16	264291644 205035892	0.5191 1	145558 144047 108343 106452
fKidney_L CD34_T0	Myeloid / erythroid	ENCSR098PTC		ENCBS736SRW	AG3829	LN20861A DS	24044A DS26444A	Renal Hematopoietic	Progenitor	Kidney Blood	Primary Primary	Primary Stem Cells	Mesoderm		Fetal Adult	91D 25Y	M M	H24741 RO 02366		Experiment protocol Experiment protocol		40 30 80 8.3	7050000 A+Sucrose 7560000 PBS+A	2012-03-16 2013-07-31	30953438 332590245	0.5096 1	35541 34678 156765 156381
CD34_T8 G401	Myeloid / erythroid						24094A DS25762A, 24154A DS24147C	Hematopoietic Renal	Erythroid	Blood Kidney	Primary Cancer	Stem Cells Cancer		CD34 + day 8 differentiation Adharent human kidney rhabdoid tumor	Adult Child	25Y 3Y	M M	RO 02366	Biosample protocol	Experiment protocol	FC-121-/ Sucrose FC-121-/ Sucrose	80 9.3 80 8.4	10000000 PBS 16440000 PBS+A	2013-07-31	455125899 111840040	0.5461 1 0.4635 7	146240 145924 73167 72887
fLung ACHN	Banel / course	ENCSR627NIF	ENCLB458QSJ ENCLB078PAT	ENCBS546ROL	AG3943	LN20912A DS	24360A	Respiratory		Lung	Primary Cancer	Primary Cancer	Endoderm	Lung	Fetal Adult	54D 22Y	M	H25460		Experiment protocol Experiment protocol	FC-121-i Sucrose	60 100	3240000 A+Sucrose 00 13100000 PBS+A	2013-08-09 2013-08-22	163138507 267546014	0.316 1	105853 105229 167122 166711
Brain_Putamen	Renal / Cancer	ENCSR493VDS	ENCLB558ETM	ENCBS163MRT	AG3931	LN20969A DS	24571A	Nervous		Brain	Primary	Primary	Ectoderm	Brain_Putamen	Adult	78Y	M	UWA 479	Biosample protocol	Experiment protocol	FC-121- Sucrose	70 100-100	00 9200000 Sucrose HLB	s 2013-08-22	148156214	0.3288 9	97103 96825
Daoy		ENCSR346IHH		ENCBS812KQP	AG3890	LN21023A DS	24561A DS24567A	Nervous Nervous		Brain Brain	Cancer Cancer	Cancer Cancer	Ectoderm	Medulloblastoma, desmoplastic cerebellar Medulloblastoma, desmoplastic cerebellar	Child Child	4Y 4Y	M M			Experiment protocol Experiment protocol	Sucrose	120 29.9	00 15300000 PBS+A 13300000 PBS+A	2013-08-22 2013-08-19	282329931 47591082	0.524 8	207397 206909 87119 87027
CD34_T15 MG63			ENCLB032SYF ENCLB952FTO					Hematopoietic Musculoskeletz	Erythroid	Blood Bone	Primary Cancer	Stem Cells Cancer		CD34 + day 15 differentiation Human adherent Osteosarcoma	Adult Child	25Y 14Y	M M	RO 02366		Experiment protocol Experiment protocol		100 5.1 80 13.1	8300000 PBS+A 8350000 PBS+A	2013-07-02 2013-09-24	169492062 253320748	0.3719 6 0.6156 2	63553 63357 224630 224305
MG63 fBrain			ENCLB475XTU ENCLB113NKB				24634A DS24640A 24711A	Musculoskeletz Nervous	al .	Bone Brain	Cancer	Cancer Primary	Mesoderm Ectoderm		Child Fetal	14Y 76D	M M	H25574		Experiment protocol Experiment protocol	FC-121- Sucrose FC-121- Sucrose	80 11.7 70 27.36	12500000 PBS+A 4280000 A+Sucrose	2013-09-24	45849300 43461512		100875 100785 51572 51354
H4 fStomach		ENCSR809CEA	ENCLB188QIH ENCLB248TKA	ENCBS902ISQ	AG3924	LN21141A DS	24930A	Nervous Digestive		Brain Stomach	Cancer	Cancer		human adherent epithelial Neuroglioma	Adult	37Y 76D	M	H25574	Biosample protocol	Experiment protocol Experiment protocol		80 19.75 90 10	2970000 A+Sucrose	2013-10-28	266578764 357050828	0.3019 1	135413 135288 170922 169870
fStomach fHeart	Cardiac	ENCSR705CNJ	ENCLB142FRE	ENCBS619VKQ	AG3893	LN21203A DS	24731A	Cardiovascular	Cardiac	Heart	Primary	Primary	Mesoderm	Heart	Fetal	76D	M	H25574	Biosample protocol	Experiment protocol	FC-121-i Sucrose	80 2.9	5040000 A+Sucrose	2013-11-06	328181740	0.4953 2	238158 237548
fEye fLung	Neural Pulmonary devel.	ENCSR582IPV	ENCLB855SXK ENCLB437CCS	ENCBS511SOC	AG3910	LN21205A DS	24726A	Nervous Respiratory		Eye Lung	Primary Primary	Primary Primary	Ectoderm Endoderm		Fetal Fetal	76D 76D	M M	H25574 H25574		Experiment protocol Experiment protocol		80 5.9 60 6.5	3650000 A+Sucrose 1920000 A+Sucrose	2013-11-06 2013-11-06	371885372 354722245	0.5561 2	233465 232320 218205 217366
fUmbilical_cord fEve	Neural		ENCLB228TGC ENCLB979EBT					Fetal Life Supp Nervous	ort	Umbilical Cord Eye	Primary Primary	Primary Primary	Endoderm Ectoderm	Umbilical_cord Eve	Fetal Fetal	76D 76D	M F	H25574 H25614		Experiment protocol	FC-121-i Sucrose FC-121-i Sucrose	60 4.6 90 7.2	2160000 A+Sucrose 2000000 A+Sucrose	2013-11-06	337925345 376843599	0.4301 2	231270 230578 199268 198161
HeLaS3 HeLaS3	Cancer / epithelial	ENCSR959ZXU	ENCLB257LLW	ENCBS229UDI	AG3914	LN21209A DS	24790A DS24785A 24785A DS24790A	Genitourinary Genitourinary		Uterus Uterus	Cancer	Cancer	Ectoderm	adherent human cervical adenocarcinoma adherent human cervical adenocarcinoma	Adult	31Y 31Y	F		Biosample protocol	Experiment protocol Experiment protocol	FC-121-/ Sucrose	60 1 80 1.9	15000000 PBS+A 18400000 PBS+A	2013-11-06	291032378 42656738	0.6077 2	213669 213416 79075 78990
fBrain	Neural	ENCSR595CSH	ENCLB908OXL	ENCBS852UJL	AG5510	LN21221A DS	24775A	Nervous		Brain	Primary	Primary	Ectoderm	Brain	Fetal	58D	M	H25606	Biosample protocol	Experiment protocol	FC-121-/ Sucrose	60 1	11000000 A+Sucrose	2013-11-08	323014256	0.578 2	209582 208643
A172 A172		ENCSR932KWJ	ENCLB587WPM	ENCBS225AJI	AG3884	LN21225A DS		Nervous		Brain Brain	Cancer Cancer	Cancer Cancer	Ectoderm	human adherent Glioblastoma	Adult Adult	53Y 53Y	M M		Biosample protocol	Experiment protocol Experiment protocol	FC-121-i Sucrose	120 7.8 120 8.4	7550000 PBS+A 12400000 PBS+A	2013-11-08 2013-11-08	312453140 53132367	0.3545 7	171785 171554 74457 74360
HepG2 HepG2		ENCSR149XIL ENCSR149XIL	ENCLB048DXW ENCLB029COU				24845A DS24838A 24838A DS24845A	Hepatic Hepatic		Liver	Cancer	Cancer		hepatocellular carcinoma hepatocellular carcinoma	Child	15Y 15Y	M M		Biosample protocol Biosample protocol	Experiment protocol	FC-121-i Sucrose FC-121-i Sucrose	100 1.4 80 2.5	15480000 PBS+A 12460000 PBS+A	2013-10-24	54150655 443969599		71626 71548 173336 173064
fTongue	Tissue invariant	ENCSR759UNY	ENCLB343ADS ENCLB216GJK	ENCBS267KML	AG3895	LN21288A DS	24835A	Digestive		Tongue Spinal Cord	Primary Primary	Primary Primary	Mesoderm		Fetal	59D	F	H25566 H25566		Experiment protocol		80 3.8 60 1.8	660000 A+Sucrose 4500000 A+Sucrose	2013-10-24	59663707		52495 52269 208053 207421
fSpinal_cord fTongue	Musculoskeletal	ENCSR759UNY	ENCLB323PCN	ENCBS321GUH	AG3923	LN21290A DS	24808A	Digestive		Tongue	Primary	Primary	Mesoderm	Tongue	Fetal	76D	F	H25614	Biosample protocol	Experiment protocol Experiment protocol	FC-121-/ Sucrose	70 3.1	2790000 A+Sucrose	2013-10-24	368107814	0.415 2	233230 232547
fTongue fBrain	Musculoskeletal Neural	ENCSR475VQD	ENCLB329UJC ENCLB188MGU	ENCBS489VFT	AG3920	LN21323A DS	24872A	Digestive Nervous		Tongue Brain	Primary Primary	Primary Primary	Mesoderm Ectoderm	Brain	Fetal Fetal	72D 72D	M M	H25636 H25636		Experiment protocol Experiment protocol	FC-121-/ Sucrose	80 2.6 60 0.7	2610000 A+Sucrose 12000000 A+Sucrose	2013-11-05 2013-11-05	359729577 346930446	0.5721 2	227994 227286 246238 245324
L1S8 L1S8			ENCLB417RNB ENCLB950PTO				25067A DS25072A 25072A DS25067A	Embryonic Embryonic		Germ Germ	Lines Lines	iPSC iPSC		Human fully reprogrammed iPS cell line derived Human fully reprogrammed iPS cell line derived	Adult Adult				Biosample protocol	Experiment protocol Experiment protocol	FC-121- Sucrose	80 15.9 80 9.3	8100000 PBS+A 7250000 PBS+A	2013-11-12 41590	319867401 267780831	0.3387 1 0.3402 9	159627 159135 99886 99551
HT29 CD34 T17	Digestive		ENCLB387UAW ENCLB627AWD				25119A DS25113C	Digestive Hematopoietic	Enthroid	Colon Blood	Cancer	Cancer Stem Cells	Endoderm	colorectal adenocarcinoma	Adult Adult	44Y 25Y	F M	RO 02366	Biosample protocol	Experiment protocol Experiment protocol	FC-121-i Sucrose	80 10.9 100 5.2	14900000 PBS+A 7080000 PBS+A	2013-11-15	290583326	0.6304 2 0.3122 7	204660 204305 79566 78941
CD34_T4	Myeloid / erythroid	ENCSR148VUP	ENCLB200PCY	ENCBS924ALK	AG3832	LN21381A DS	24074A DS25687A	Hematopoietic	Erythroid	Blood	Primary	Stem Cells	Mesoderm	CD34 + day 4 differentiation	Adult	25Y	M	RO 02366	Biosample protocol	Experiment protocol	FC-121- Sucrose	100 56.3	4970000 PBS+A	2013-11-21	321779200	0.5158 1	183321 182958
CD34_T17 PC3	Cancer / epithelial	ENCSR052AWE	ENCLB620TSQ	ENCBS504WVV	AG3928	LN21648C DS		Genitourinary	Erythroid	Blood Prostate	Primary Cancer	Cancer	Endoderm	Human prostate adenocarcinoma (grade 4)	Adult Adult	25Y 62Y	M Cauc	RO 02366		Experiment protocol Experiment protocol	FC-121- Sucrose	100 9.9 140 26.1	7130000 PBS+A 6120000 PBS+A	2013-11-21 2013-11-18	312298958 331044671	0.433 2	65852 65527 232249 231944
AL		ENCSR405TXU	ENCLB884YIS	ENCBS754GFE	AG3886	LN21650C DS	24015C DS26410A	Integumentary		Adipose	Primary	Stem Cells	Mesoderm	Adipocytes derived from AF-MSC cells	Fetal				Biosample protocol	Experiment protocol	FC-121- Sucrose	100 5.5	5540000 PBS+A	2013-06-13	48088340	0.4551 8	30406 80162

	opposite the state of the state	· ·	,iD	ateb	defent the there	itader		"KP	ate						Jaco	grouped	de Trob	e sinte	Jak Acid Inc)	giloi de	and take		co ^{re} v	te perts
Biotestale to	You adulary .	DCC Extremit	DECLIBRARY	OCC Blosson.	Angeles Library Article Brown Rephile	Sylect Suppresent	Ortgan	Bloggniple 13	Blotogical str	Gerti Brief Derectifica	Growins	age Age	Set Ethnicky	DonorID	Stokening &	E. Exparituant V	Lippery M. rum	Dhasa unite	Hudoi co	Professe inf.	Library secure	Roads used	DCCSPOTE	Perthosario	DH56 In
CD34_T4 CD34_T8	Myeloid / erythroid Myeloid / erythroid	ENCSR148VUP ENCSR845CER	ENCLB809AHE ENCLB858VAX	ENCBS721DUI AG38 ENCBS418LVC AG38	31 LN26240A DS25687A DS24074 35 LN26258A DS25769A DS25769	A Hematopoietic Erythroid	Blood	Primary Primary	Stem Cells	Mesoderm CD34+ T4, Day 4 differentiation Mesoderm CD34+ T8, Day 8 differentiation	Adult	25Y 25Y	M M	RO 02366 RO 02366	Biosample protocol	Experiment protocol Experiment protocol	FC-121-	80 50	7700000		2014-02-13	361402768 282261693	0.6173	245256 167123	244793 166835
CD34_T8	Myeloid / erythroid	ENCSR845CFB	ENCLB260IQZ	ENCBS169JBH AG38	89 LN26259A DS25762A DS24094	A Hematopoietic Erythroid	Blood	Primary	Stem Cells	Mesoderm CD34+ T8, Day 8 differentiation	Adult	25Y	M	RO 02366	Biosample protocol	Experiment protocol	FC-121-	80 30	6080000		2014-01-17	98397905			101086
CD34_T6 CD34_T6	Myeloid / erythroid Myeloid / erythroid	ENCSR564JUY ENCSR564JUY	ENCLB809BBZ ENCLB947LEE	ENCBS200EQQ AG38 ENCBS986SILI AG38	 134 LN26263A DS25729A DS25730 133 LN26288A DS25730A DS25729 	A Hematopoietic Erythroid	Blood	Primary Primary	Stem Cells	Mesoderm CD34+T6, Day 6 differentiation Mesoderm CD34+T6, Day 6 differentiation	Adult	25Y 25Y	M M	RO 02366 RO 02366	Biosample protocol	Experiment protocol	FC-121-	100 100	7500000		2014-01-15	214009849		156166	155741
CD34_T18	myelola / eryanola	ENCSR493IAY	ENCLB573JSZ	ENCBS303WCA AG38	38 LN26316A DS25969A	Hematopoietic Erythroid	Blood	Primary	Stem Cells	Mesoderm CD34+ T18, Day 18 differentiation	Adult	25Y	M	RO 02366		Experiment protocol	FC-121-	80 3.6	5400000	PBS+A	2014-02-26	362253269			78348
PGP1_fibroblast PGP1_iPSC	Stromal B	ENCSR217TAW	ENCLB544CVI	ENCBS367AAA AG75	31 LN26368A DS26113A DS2634 66 LN26379A DS26351A DS2645	A Connective	Skin	Primary Lines	Primary	Mesoderm PGP1_fibroblast Primitive Induced pluripotent cells	Neonatal		.,		Biosample protocol	Experiment protocol Experiment protocol	FC-121-	42.12 20	2980000		2014-02-26	523060791 134911762		325189	323984
PGP1_IPSC PGP1_fibroblast	Stromal B	ENCSR217TAW	ENCLB358EUZ	ENCBS372AAA AG39	65 LN26381A DS26347A DS26113	A Connective	Skin	Primary	Primary	Mesoderm PGP1_fibroblast	Neonatal		M		Biosample protocol	Experiment protocol	FC-121-1	45	2460000	PBS+A	2014-02-28	188982975		234167	233688
ELR					128 LN26394A DS26318A DS26313		Skin	Lines	Immortalized	Mesoderm BJ-htert - T antigens and an oncogenic derivation	iv Neonatal		М			Experiment protocol	FC-121-	17.07	3400000		2014-02-28	42919088		105454	105270
ELR CD34_T0	Myeloid / erythroid				127 LN26395A DS26313A DS26318 130 LN26445A DS26444A DS24044		Skin	Lines Primary	Immortalized Stem Cells	Mesoderm BJ-htert - T antigens and an oncogenic derivative Mesoderm CD34+T0. Day 0 control	Neonatal Adult	25Y	M M	RO 02366	Biosample protocol Biosample protocol	Experiment protocol	FC-121-1 FC-121-1	15.46 80 4.42	3490000 3510000		2014-02-28	390334623 240620831	0.672	260345 126773	259847 126521
AL	,	ENCSR405TXU	ENCLB718CYF	ENCBS311PRF AG39	08 LN26455A DS26410A DS24015	C Integumentary	Adipose	Primary	Stem Cells	Mesoderm Adipocytes derived from AF-MSC cells	Fetal				Biosample protocol	Experiment protocol	FC-121-	120 8	1540000	PBS+A	2014-02-28	353507808	0.5948	249431	248824
PGP1_iPSC	Primitive / embryonic				67 LN26496A DS26455A DS2635 72 LN26591A DS26986A DS2698		Germ	Lines	iPSC iPSC	Primitive Induced pluripotent cells Ectoderm Derived from iPSC	Neonatal		M			Experiment protocol Experiment protocol	FC-121-1	14.4	4020000 5250000		2014-03-03	332435333	0.4274	224908 189323	223953
bipolar_neuron		ENCSR626RVD	ENCLB727RXR	ENCBS369AAA AG39	09 LN26594A DS26980A DS2698	A Nervous	Brain	Lines	iPSC	Ectoderm Derived from iPSC	Adult		M			Experiment protocol	FC-121-	7.824	8280000	PBS+A	2014-03-20	248603227	0.4598	178102	177469
PC9 PC9	Cancer / epithelial	ENCSR940NLN	ENCLB625GCM	ENCBS480XRH AG36	17 LN26744A DS27166A DS2716 103 LN26745A DS27163A DS2716	A Respiratory	Lung	Cancer	Cancer	Endoderm Human non-small cell lung Adenocarcinoma will Endoderm Human non-small cell lung Adenocarcinoma will	itt Adult		M			Experiment protocol Experiment protocol	FC-121-	10	2670000		2014-04-08	308725639 82195937			173039
MM_1S					49 LN26797A DS27522A	Hematopoietic Lymphoid	Blood	Cancer	Cancer	Mesoderm human immunoglobulin A lambda myeloma	Adult	42Y	F Afr-Am			Experiment protocol		10	3600000		2014-04-08	261065647			129507
fHeart	Cardiac				38 LN26812E DS23853E 80 LN26813E DS23339E	Cardiovascular Cardiac	Heart	Primary	Primary	Mesoderm fHeart	Fetal	80D	F	H25386	Biosample protocol	Experiment protocol		90 16.7		A+Sucrose	2013-06-20	316257688			173697
fRetina fKidnev	Organ devel / renal				80 LN26813E DS23339E 41 LN26814E DS23873E	Nervous Renal	Eye Kidney	Primary Primary	Primary	Ectoderm Retina Mesoderm fKidney	Fetal	89D 80D	F	H25386	Biosample protocol	Experiment protocol	FC-121-/ Sucrose	90 8.4		A+Sucrose A+Sucrose	2013-01-30	303516746 245532664	0.3613		147779
ACHN	Renal / cancer				85 LN26820A DS24471A DS2454	'A Renal	Kidney	Cancer	Cancer	Mesoderm Human adherent renal cell adenocarcinoma	Adult	22Y	М			Experiment protocol	FC-121-	20	3000000		2014-04-22	255416060	0.4612	142051	141732
NCI_H226 Karpas 422					61 LN26826A DS21935A DS21978 125 LN26836A DS27648A DS2764		Pleura	Cancer	Cancer	Mesoderm Lung mesothelioma (metastatic squamous cell Mesoderm B cell non-hodokin lymphoma	d Adult Adult	U 73Y	M			Experiment protocol Experiment protocol	FC-121-1 FC-121-1	21.4	2000000 9290000		2014-04-21	257802049 235638902			203113 94317
Karpas_422 Karpas_422		ENCSR019JDO	ENCLB613MEH	ENCBS530UDH AG39	59 LN26838A DS27641A DS2764	A Hematopoietic Lymphoid	Blood	Cancer	Cancer	Mesoderm B cell non-hodgkin lymphoma	Adult	73Y	F			Experiment protocol	FC-121-	20	9140000	PBS+A	2014-04-22	472708075	0.5004	218631	217248
A673					06 LN26852A DS27667A DS2775		Bone Blood	Cancer	Cancer	Mesoderm Ewing's Sarcoma Mesoderm B-cell Non-Hodgkin lymphoma	Child	15Y 48Y	F			Experiment protocol Experiment protocol	FC-121-	20	7760000 6840000		2014-04-23	351731877		181185 89546	180642 89128
Oci_Ly_7 A673		ENCSR346JWH	ENCLB408KJJ	ENCBS304EKV AG39	07 LN26874A DS27751A DS2766		Blood	Cancer	Cancer	Mesoderm B-cell Non-Hodgkin lymphoma Mesoderm Ewing's Sarcoma	Child	15Y	F		Biosample protocol	Experiment protocol	FC-121-	20	6480000	PBS+A	2014-04-28	315855944 147942246	0.3967		121282
fKidney	Organ devel. / renal	ENCSR097BWW	ENCLB896SWH	ENCBS191BKL AG55	124 LN26921A DS24709A	Renal	Kidney	Primary	Primary	Mesoderm Kidney	Fetal	59D	F	H25566	Biosample protocol	Experiment protocol	FC-121- Sucrose	60 17.8		A+Sucrose	2013-10-16	480655419	0.5335	278540	27768
renal_cell_carcinor fHeart	Rehal / cancer Cardiac				119 LN26937A DS26693A DS26693 158 LN26948A DS24812A	B Renal Cardiovascular Cardiac	Kidney Heart	Cancer	Cancer	Mesoderm renal_cell_carcinoma, primary culture Mesoderm Heart	Adult Fetal	81Y 59D	U	HIM13 H25615		Experiment protocol Experiment protocol	Sucrose FC-121-/ Sucrose	100 30 5.89	560000	A+Sucrose	2014-02-27 2013-10-15	394620796 492718541			261533 19931
fHeart	Cardiac	ENCSR664PKM	ENCLB417ZPE	ENCBS953MIB AG39	39 LN26949A DS24799A	Cardiovascular Cardiac	Heart	Primary	Primary	Mesoderm Heart	Fetal	76D	F	H25614	Biosample protocol	Experiment protocol	FC-121- Sucrose	5	3780000	A+Sucrose	2013-10-15	299057153			167474
renal_cell_carcinon podocytes	Renal / cancer				93 LN26972B DS26692B DS26693 94 LN26974 DS26685	IA Renal Renal	Kidney	Cancer	Cancer Primary	Mesoderm renal_cell_carcinoma, primary culture Mesoderm Glomerullar visceral epithelial cells	Adult	81Y 3Y	F M	HIM13		Experiment protocol Experiment protocol		80 31 100 72			2014-02-27	52988782 257372032		89787 167258	89732 16706
fSpinal_cord		ENCSR9100QF	ENCLB532ZRI	ENCBS144CBA AG39	144 LN27029A DS24886A	Nervous	Spinal Cord	Primary	Primary	Ectoderm Spinal Cord	Fetal	72D	м	H25636	Biosample protocol	Experiment protocol	FC-121-CSucrose	5		A+Sucrose	2014-05-22	131338095	0.3724	49925	49635
Brain_Mid_Frontal_ NCI H226					29 LN27272A DS28617A 52 LN27452C DS21975C DS21938	Nervous	Brain Pleura	Primary Cancer	Primary Cancer	Ectoderm Brain_Mid_Frontal_Gyrus Mesoderm Lung mesothelioma (metastatic squamous cell	Adult a Adult	78Y U	M		Biosample protocol	Experiment protocol Experiment protocol	FC-121-4	20	1920000	A+Sucrose D PBS+A	2014-06-02	163892438 355017749			45743 16545
NCI_HZ26 Oci Ly 7	Lymphoid				62 LN27452C DS21975C DS21938 62 LN28035C DS29219C DS2768		Pleura Blood	Cancer	Cancer	Mesoderm Lung mesothelioma (metastatic squamous cell Mesoderm B-cell Non-Hodgkin lymphoma	Adult	U 48Y	M M				FC-121-	3.36	7200000		2014-06-26	355017749 366265521			16545
Trophoblast	Placental / trophoblas				118 LN28076A DS30587A DS35778		Placenta	Primary	Primary	Endoderm Trophoblast	Fetal	21.5W				Experiment protocol		4	720000		2014-08-19	666187813	0.5675	355914	354911
Trophoblast Trophoblast	Placental / trophoblas Placental / trophoblas				116 LN28078A DS30582A DS3139 115 LN28110A DS30557A DS3578		Placenta Placenta	Primary Primary	Primary Primary	Endoderm Trophoblast Endoderm Trophoblast	Fetal	18W 40.6W				Experiment protocol Experiment protocol	FC-121-1 FC-121-1	4.3	500000	PBS+A Buffer A	2014-08-19	268406385 367747603	0.4466		22383
Trophoblast	Placental / trophoblas	ENCSR593LTJ	ENCLB171WJX	ENCBS994UWD AG38	17 LN28443A DS31397A DS3058	A Fetal Life Support	Placenta	Primary	Primary	Endoderm Trophoblast	Fetal	17.1W			Biosample protocol	Experiment protocol	FC-121-	5.28	990000	Buffer A	2014-09-24	493300113	0.5416	310235	30919
Dendritic_cells_C5 ^a	Canass (anithalial				90 LN28530A DS31642A 40 LN28558C DS25027C DS25129	Hematopoietic IC Genitourinary	Blood Prostate	Primary Cancer	Primary Cancer	Mesoderm Dendritic cells Endoderm Human prostate adenocarcinoma (grade 4)	Adult	62Y	M Cauc	C51 G4C 05		Experiment protocol Experiment protocol	FC-121- min-elute	1.62	240000	PBS+A Buffer A	2014-10-08	398482739 553691059		161361 257414	161064
RPMI_8226	Cancer / epitilellai	ENCSR594NOE	ENCLB123CIH	ENCBS604KZU AG75	39 LN28562C DS22913C DS22919	Hematopoietic Myeloid	Blood	Cancer	Cancer	Mesoderm Human plasmacytoma (myeloma) from periphe	Adult	61Y	M Cauc			Experiment protocol		0	7200000		2014-06-30	360602253			145536
neuronal	Primitive / embryonic				32 LN28669A DS32096A DS3204		Germ	Lines	ESC	Ectoderm H-9 differentiated to neuronal cells	Embryonic		_				FC-121- min-elute	0	3100000		2014-10-21	419864099			181246
HT29 fBrain	Neural				128 LN28703C DS25113C DS25119 120 LN28707C DS23849C	Nervous	Colon Brain	Cancer	Cancer	Endoderm colorectal adenocarcinoma Ectoderm fBrain	Adult Fetal	44Y 80D	F F	H25386		Experiment protocol	FC-121- min-elute FC-121- min-elute	80 206	1800000 7650000	A+Sucrose	2013-11-15	312003049 321102532	0.4837	156057 170676	155325 169721
G401		ENCSR269SIA	ENCLB760QMB	ENCBS659PBH AG39	45 LN28708C DS24147C DS2415		Kidney	Cancer	Cancer	Mesoderm Adharent human kidney rhabdoid tumor		3Y	м		Biosample protocol	Experiment protocol	FC-121- min-elute	20	1510000	PBS+A	2013-07-01	274476347	0.438	88779	88106
neuronal RuES2_cms					114 LN28762A DS32047A DS3209 109 LN28844A DS32566A DS3725		Germ le Heart	Lines	ESC	Ectoderm H-9 differentiated to neuronal cells Mesoderm RUES2 differentiated to cardiomycovtes	Embryonic				Biosample protocol	Experiment protocol	FC-121- min-elute	1.9344	2760000 1750000		2014-10-24	391806263 218981792		137001	136292
hepatocytes	Digestive	ENCSR364MFN	ENCLB636PSO	ENCBS520VFV AG38	113 LN29143A DS32057A	Hepatic	Liver	Lines	ESC	Endoderm H-9 differentiated to hepatocytes	Embryonic				Biosample protocol	Experiment protocol	FC-121- min-elute	too low			2014-11-18	437853712	0.3273	166601	165940
kidney_tubular	Renal / cancer				99 LN29654 DS27824 DS26689 44 LN29616A DS34646A DS3858		Kidney Colon	Cancer	Cancer	Mesoderm HIM13 PCT Endoderm	Adult Adult	81Y 44Y	F	HIM13		Experiment protocol	FC-121-	20	820000	000.4	2015-01-12	264950502 265384108	0.393		191991
HT29 LoVo					44 LN29816A DS34646A DS3858 43 LN29819A DS34628A	A Digestive Digestive	Colon	Cancer	Cancer	Endoderm Endoderm metastatic tumour in the left supraclavicular reg		56Y	M			Experiment protocol		10	2200000		2015-01-27	265384108 226045288	0.4076	119826	119208
CEC		ENCSR038XTK	ENCLB374SOK	ENCBS573VIG AG75	42 LN29827A DS34574A DS37513	IA Digestive	Colon	Cancer	Cancer	Endoderm human colon epithelial cells	Adult				Biosample protocol	Experiment protocol	FC-121-	20	1250000	PBS+A	2015-01-27	304608061	0.5158		172510
H9_AzH_G2M H9_AzL_S	Primitive / embryonic				95 LN30023A DS34890A 94 LN30025A DS34885A DS39293	Embryonic IA Embryonic	Germ	Lines	ESC ESC	Primitive FUCCI AzH.G2M FUCCI cells (cell cycle) H9 do Primitive FUCCI AzL.Sphase FUCCI cells (cell cycle) H9			M			Experiment protocol Experiment protocol			840000 420000		2015-02-04	305263488 268141838			153071
H9_DN3_early	Primitive / embryonic	ENCSR754LIN	ENCLB139ECN	ENCBS140HIH AG39	93 LN30027A DS34872A	Embryonic	Germ	Lines	ESC	Primitive FUCCI cells DN.early G1 FUCC (cell cycle) H9	Embryonic	53Y	M		Biosample protocol	Experiment protocol	FC-121-		530000	PBS+A	2015-02-04	251853460	0.3489	121699	121229
H9_KO2_late Dendritic cells C19	10				92 LN30029A DS34866A 96 LN30433A DS35823A	Embryonic	Germ Blood	Lines Primary	ESC Primary	Primitive FUCCI cells KO2.late G1 FUC (ell cycle) H9 de Mesoderm Dendritic cells	Embryonic	53Y	М	C190.G4C.w			FC-121-2001 DNA Tru	-Can -2 1	818000 570000		2015-02-04 42077	375861620	0.3282	102588	101986 40643
Trophoblast	Placental / trophoblas	ENCSR964MZQ	ENCLB9363IO ENCLB425LBY	ENCBS943QPE AG3	21 LN30439A DS35787A DS3055	'A Fetal Life Support	Placenta	Primary	Primary	Endoderm Trophoblast	Fetal	39W		C190.04C.W	Biosample protocol	Experiment protocol	FC-121-2	5		Buffer A	2015-03-14	358833287		221752	219943
Trophoblast	Placental / trophoblas	ENCSR809LCE	ENCLB320YRF	ENCBS576QRR AG38	49 LN30931S DS35782S 84 LN30990 DS37199 DS27193	Fetal Life Support	Placenta	Primary	Primary	Endoderm Trophoblast	Fetal	23.6W				Experiment protocol		120	810000	Buffer A	2015-04-20	224023762			166959 125448
786_O renal cell carcinor	Renal / cancer				98 LN31351 DS37974 DS3797		Kidney	Cancer	Cancer	Mesoderm Renal cell adenocarcinoma Mesoderm renal cell carcinoma	Adult	58Y 62Y	M			Experiment protocol Experiment protocol		120			2015-04-22	366404463 57945070	0.3924	125541	125448 96702
renal_cell_carcinon	Renal / cancer	ENCSR337IRF	ENCLB333SUQ	ENCBS354GLT AG38	63 LN31352 DS37973 DS37974	Renal	Kidney	Primary	Primary	Mesoderm renal cell carcinoma	Adult			CI:HIM15 RC	Biosample protocol	Experiment protocol	Jeff's ssl	100			2015-05-22	269778980	0.5441		204786
kidney_tubular	Renal / cancer				145 LN31354 DS37971 DS37969 197 LN31356 DS37969 DS3797	Renal	Kidney	Primary Primary	Primary	Mesoderm kidney tubular Mesoderm kidney tubular	Adult	62Y		CI:HIM15 RC		Experiment protocol	Jeff's ssl Jeff's ssl	140			2015-05-22	353650265 53738679			240502 79267
kidney_tubular Trophoblast	Placental / trophoblas	ENCSR121ZSL	ENCLB686KFW	ENCBS478CDB AG38	148 LN31423S DS35778S DS3058		Kidney Placenta	Primary	Primary Primary	Endoderm Trophoblast	Fetal	21.3W			Biosample protocol	Experiment protocol	FC-121-			Buffer A	2015-03-14	176599134	0.5038	84161	83697
Placenta	Placental / trophoblas				62 LN31427S DS37102S 111 LN31456A DS37250A DS32566	Fetal Life Support	Placenta	Primary	Primary	Endoderm fPlacenta	Fetal	105D	М	H26543			FC-121-1001 DNA Tr.			A+Sucrose	42135	297724694			10171
RuES2_cms RightVentricle	Cardiac				11 LN31456A DS37250A DS32566 12 LN31482A DS37455A	A Cardiovascular Cardiac Musc Cardiovascular Cardiac	le Heart Heart	Lines Primary	ESC Primary	Mesoderm h.RuES2 differentiated to cardiomyocytes Mesoderm Right Ventricle	Embryonic Fetal	101D	U	H26573		Experiment protocol Experiment protocol	FC-121- SSIb-JV	2	1620000 622000	PBS+A A+Sucrose	2015-05-18 2015-05-18	165475790 241963493	0.3389		78241 13364
LeftVentricle	Cardiac	ENCSR946DXB	ENCLB652THU	ENCBS931FTX AG38	61 LN31484A DS37450A	Cardiovascular Cardiac	Heart	Primary	Primary	Mesoderm heart Left Ventricle	Fetal	101D	U	H26573	Biosample protocol	Experiment protocol			740000	A+Sucrose	2015-05-18	204804750	0.3676	93774	93495
Heart	Cardiac Cardiac	ENCSR749BWV ENCSR749BWV	ENCLB784QGT	ENCBS996MDU AG40	118 LN31492A DS37401A 119 LN31529A DS37473A	Cardiovascular Cardiac Cardiovascular Cardiac	Heart	Primary Primary	Primary Primary	Mesoderm fHeart_d98_F Mesoderm Heart	Fetal Fetal	98D 116D	F	H26513 H26583		Experiment protocol	SSIb-JV SSIb-IV	3	1910000	A+Sucrose A+Sucrose	2015-05-18	148733546 218768197	0.3076		97414 14112
LeftAtrium	Cardiac	ENCSR412NMI	ENCLB226FNM	ENCBS982OCU AG62	13 LN31530A DS37460A	Cardiovascular Cardiac	Heart	Primary	Primary	Mesoderm Left Atrium	Fetal	101D	F	H26573	Biosample protocol	Experiment protocol	SSIB-JV	3		A+Sucrose A+Sucrose	2015-06-01	212960129	0.3496	108967	10848
786_O	Renal / cancer				144 LN31650 DS27192 DS37199		Kidney	Cancer	Cancer	Mesoderm Renal cell adenocarcinoma	Adult	58Y	M			Experiment protocol					2015-06-19	217929608 239089105	0.3286	122687 221085	12258
idney_tubular LeftVentricle	Renal / cancer Cardiac	ENCSR501FWC	ENCLB699DLF	ENCBS936JZF AG38	98 LN31651 DS26689 DS27824 60 LN31860S DS37292S	Cardiovascular Cardiac	Kidney Heart	Primary Primary	Primary Primary	Mesoderm kidney tubular cells Mesoderm h.f.heart.Left.Ventricle	Adult	81Y 136D	F	HIM13 H26564		Experiment protocol	SSIb-JV	1.9	2320000	A+Sucrose	2015-06-19	239089105 203158085			13344
SW_480					87 LN32257A DS37546A DS38593		Colon	Cancer	Cancer	Endoderm Human colon adenocarcinoma	Adult	50Y	М				SSIb-JV7		990000		42185	234575170	0.3154	103374	10296
EC Iomeruli	Renal / cancer				89 LN32260A DS37513A DS34574	IA Digestive Repai	Colon Kidney	Cancer	Cancer	Endoderm human colon epithelial cells Mesoderm Kidney Glomentii	Adult	62Y	м			Experiment protocol	SSIb-JV SSIb-IV	80	1040000	PBS+A	2015-06-30	258895967 325270186	0.5775	169628	16936
W_480	rema / cancer	ENCSR217SET	ENCLB090JSJ	ENCBS211HGL AG39	86 LN32479A DS38592A DS37546	A Digestive	Colon	Cancer	Cancer	Endoderm Human colon adenocarcinoma	Adult	50Y	M			Experiment protocol	SSIb-JV	1.01	2220000		2015-07-28	202574104	0.3862	147393	14703
IT29	Digestive	ENCSR814KRX	ENCLB728WAE	ENCBS814TLB AG39	85 LN32481A DS38587A DS34640	IA Digestive Fetal Life Support	Colon	Cancer	Cancer	Endoderm colorectal adenocarcinoma Endoderm Placenta	Adult	44Y 53D	F	H26672			SSIb-JV SSIb-IV	1	2600000	PBS+A A+Surrose	2015-07-28	238144762 301200438	0.4953		196179
flacenta 9_AzL_S	Pracental / trophoblas Primitive / embryonic	ENCSR017OZH	ENCLB094YXR	ENCBS616QKE AG40	06 LN33151A DS39293A DS3488	A Embryonic	Placenta Germ	Primary Lines	Primary ESC	Primitive FUCCI AzL.Sphase FUCCI cells (cell cycle) H9			M	H26672	Biosample protocol		SSIb-JV7Q		700000	Buffer A	2015-07-31 42237	301200438 176764370	0.3336		13215
IAP1		ENCSR620QNS	ENCLB760TOD	ENCBS912MMS AG40	31 LN33179A DS39509A DS3950	A Hematopoietic Myeloid	Blood	Cancer	Cancer	Mesoderm haploid Parental - near-haploid cell line derived	d (Adult	40Y	М			Experiment protocol	SSIIb-JV	5.25	2700000	Buffer A	2015-08-21	265405265	0.3404	121367	12080
IAP1					30 LN33181A DS39502A DS3950 33 LN33421 DS40362 DS44414		Blood	Cancer	Cancer	Mesoderm haploid Parental - near-haploid cell line derived Endoderm colon cell carcinoma	d (Adult Adult	40Y	М		Biosample protocol	Experiment protocol Experiment protocol	SSlib-JV7Q Jeff's ssl Sucrose	4.98	2700000	Buffer A	42237 2015-09-28	255580015 206244928	0.322		11746
RKO HeartFibroblasts		ENCSR856NXV	ENCLB584PEG	ENCBS385GBH AG62	17 LN34648A DS39481A	Connective	Heart	Primary	Primary	Mesoderm heart fibroblasts	Fetal	94D	F		Biosample protocol	Experiment protocol	SSIIb-JV	3.336	900000		2016-01-06	199930072	0.555	200548	20022
КО					34 LN35453 DS44414 DS40363		Colon	Cancer	Cancer	Endoderm colon cell carcinoma	Adult	1000		Linner -	Biosample protocol	Experiment protocol		60	200000	4.0	2016-03-07	253965382	0.3997	143657	14336
LeftVentricle HepG2	Cardiac				19 LN35747A DS44708A 37 LN37566 DS7768 DS7764	Cardiovascular Cardiac Hepatic	Heart	Primary Cancer	Primary Cancer	Mesoderm Heart Left Ventricle Endoderm hepatocellular carcinoma	Fetal Child	103D 15Y	M .	H26856		Experiment protocol Experiment protocol	SSIb-JV	1.9515	2760000	A+Sucrose	2016-04-01	191669306 19657485			12936
3M06990		ENCSR000EMQ	ENCLB436ZZZ	ENCBS414HDG AG91	64 LN38595 DS7784 DS7748	Hematopoietic Lymphoid	Blood	Lines	Immortalized	Mesoderm Lymphoblastoid	Adult	41Y	F		Biosample protocol	Experiment protocol						16631134	0.4982	28420	28198
					65 LN38596 DS7842 06 LN40338H DS52908H DS5659	Hematopoietic T-cell B Hematopoietic Erythroid	Blood	Primary Cancer	Primary Cancer	Mesoderm T2 helper Mesoderm Myeloid	Adult Adult	25Y? 53Y	F?	Wilson01		Experiment protocol Experiment protocol	Thruplex	1	2200000	Buffer A		16364285 348386258		29762 171611	29458
hTH2 K562				ENCBS188NWH AG70	06 LN42591A DS56256A DS5625	'A Renal	Kidney	Lines	Immortalized	Mesoderm kidney epithelial	Adult	551	M		Biosample protocol	Experiment protocol	Thruplex		75000	Julie A	2016-12-06	39757400	0.6312	56745	56449
hTH2 K562 HK_2								Lines		Mesoderm kidney epithelial						Experiment protocol	Thruplex	2 093	75000		2016-12-06	44495072			74553
K562 HK_2 HK_2		ENCSR634YVQ			07 LN42592A DS56257A DS56256		Kidney				Adult	501	M							D #					
K562	Primitive / embryonic	ENCSR634YVQ ENCSR275ICP	ENCLB476DLP	ENCBS485PGF AG69	07 LN42592A DS56257A DS56258 35 LN42987C DS39598C DS55948 36 LN42989C DS39603C DS5592	A Embryonic	Germ Germ	Lines	ESC ESC	Primitive H9 embryonic stem cells Endoderm Definitive Endoderm #2, differentiated from H9	Embryonic Embryonic		M M		Biosample protocol	Experiment protocol Experiment protocol	Thruplex Thruplex	2.394 3.316		Buffer A Buffer A	2016-12-06 2016-12-16 2016-12-16	246128324 235453299			74553 138842 137688

Lieberta Lare	ugagatuber dedrebendente	BEG Experiments	dec threy b	Dec Bloomyout	Auture Page	ggert t	Spiret S	Japan Grafe	Biconfeder	ge Shoodfal and	ge Centralized	Dage triple	Grant	Age Age	set ethnicity	Donard	literate project	Experiment typescol	Library the Residence States	gal underfrit	Ruddy Court	Producent Harri	get Jaggert paggagatat	date depth upped	dec spoi se	gore Pertilogani	o peaks
NPC		ENCSR360XIS	ENCLB182LEM			LN43504A DS55951A DS39609C		Germ	Lines	ESC		to Neural Progenitor Cells, differentiated from			M		Biosample protocol	Experiment protocol	Thruplex	1.58	78000		2017-01-05	285234920	0.3837		133874
DE						LN43606A DS55923A DS39603C		Germ	Lines	ESC		efinitive Endoderm #2., differentiated from H9			М		Biosample protocol	Experiment protocol	Thruplex		540000		2017-01-05	457497776	0.5445		307202
ISL1						LN43610A DS55938A DS39591C		Pancreas	Lines	ESC		let positve cells, mesoderm lineage, differentia	- /		М		Biosample protocol	Experiment protocol	Thruplex		800000		2017-01-05	400782003	0.481		298737
limb						LN44778B DS38801B	Musculoskeletal	Bone	Primary	Primary	Mesoderm L		Fetal	53D	U	H26672	Biosample protocol	Experiment protocol	Thruplex			A+Sucrose		248234335	0.5333		119794
						LN44779B DS39148B	Fetal Life Support	Placenta	Primary	Primary	Endoderm P		Fetal	53D	U	H26691	Biosample protocol	Experiment protocol	Thruplex	1.1		A+Sucrose		229554104	0.5536		144017
fBone_arm_left		ENCSR976XOY				LN44780B DS39408B	Musculoskeletal	Bone	Primary	Primary	Mesoderm b		Fetal	81D	м	H26710	Biosample protocol	Experiment protocol	Thruplex	0.53		A+Sucrose		198205332	0.4059	113852	110550
fBone_arm_right						LN44781B DS39410B	Musculoskeletal	Bone	Primary	Primary	Mesoderm b		Fetal	81D	М	H26710	Biosample protocol	Experiment protocol	Thruplex	0.64		A+Sucrose		209930536	0.4939		118817
fBone_leg_left						LN44782A DS39413A	Musculoskeletal	Bone	Primary	Primary	Mesoderm b		Fetal	81D	м	H26710	Biosample protocol	Experiment protocol	Thruplex			A+Sucrose		193009319	0.6144		121003
fBone_leg_right			ENCLB086WVI			LN44783A DS39417A	Musculoskeletal	Bone	Primary	Primary	Mesoderm b		Fetal	81D	М	H26710	Biosample protocol	Experiment protocol	Thruplex			A+Sucrose		244081902	0.6082	141501	139976
			ENCLB005SRL			LN45031A DS23388A	Renal	Kidney	Primary	Primary	Mesoderm fi		Fetal	59D	F	H25200	Biosample protocol	Experiment protocol	Thruplex	1.2		Sucrose HLB		270578146	0.5523	158472	155211
fKidney			ENCLB704GMQ				Renal	Kidney	Primary	Primary	Mesoderm K	dney	Fetal	76D	М	H25574	Biosample protocol	Experiment protocol	Thruplex	2.8		A+Sucrose	2017-02-17	201422642	0.7026	146343	145683
fKidney						LN45033A DS24801A	Renal	Kidney	Primary	Primary	Mesoderm K	dney	Fetal	76D	F	H25614	Biosample protocol	Experiment protocol	Thruplex			A+Sucrose	2017-02-17	221974192	0.5376	126558	125754
fLung						LN45034A DS24806A	Respiratory	Lung	Primary	Primary	Endoderm L	ing	Fetal	76D	F	H25614	Biosample protocol	Experiment protocol	Thruplex			A+Sucrose	2017-02-17	258909360	0.6379		137697
fKidney						LN45035A DS24814A	Renal	Kidney	Primary	Primary	Mesoderm K	dney	Fetal	59D	U	H25615	Biosample protocol	Experiment protocol	Thruplex	2.186	3060000	A+Sucrose	2017-02-17	237562849	0.6542	142982	142189
fUmbilical_cord		ENCSR512CWR	ENCLB771UER	ENCBS518LEK	AG7441	LN45036A DS24820A	Fetal Life Support	Umbilical C	ord Primary	Primary	Endoderm U	mbilical_cord	Fetal	59D	U	H25615	Biosample protocol	Experiment protocol	Thruplex	0.9	1260000	A+Sucrose	2017-02-17	195057523	0.5652	113517	112469
fBone_femur	Musculoskeletal	ENCSR805XIF	ENCLB236BWV	ENCBS337FPV	AG7442	LN45038B DS36206B	Musculoskeletal	Bone	Primary	Primary	Mesoderm h	f.Bone.femur	Fetal	98D	F	H26513	Biosample protocol	Experiment protocol	Thruplex	8.8	1050000	A+Sucrose	2017-02-17	252066174	0.5823	146918	145356
fLiver		ENCSR562FNN	ENCLB638FEH	ENCBS275VNY	AG7443	LN45070C DS37372C	Hepatic	Liver	Primary	Primary	Endoderm h	f.liver	Fetal	113D	F	H26549	Biosample protocol	Experiment protocol	Thruplex	4.48	2140000	A+Sucrose		190541422	0.3703	76639	75369
fPlacenta		ENCSR552RKI	ENCLB423VBC	ENCBS565KNL	AG8805	LN45072C DS37386C	Fetal Life Support	Placenta	Primary	Primary	Endoderm p	acenta	Fetal	102D	U	H26550	Biosample protocol	Experiment protocol	Thruplex	1.325	1050000	A+Sucrose		203699532	0.3869	107611	106022
fPlacenta	Placental / trophoblas	ENCSR552XJI	ENCLB711ZZZ	ENCBS723HLT	AG7450	LN45076C DS37716C	Fetal Life Support	Placenta	Primary	Primary	Endoderm P	acenta	Fetal	56D	U	H26598	Biosample protocol	Experiment protocol	Thruplex	0.972	1380000	A+Sucrose		206456483	0.4356	115898	114344